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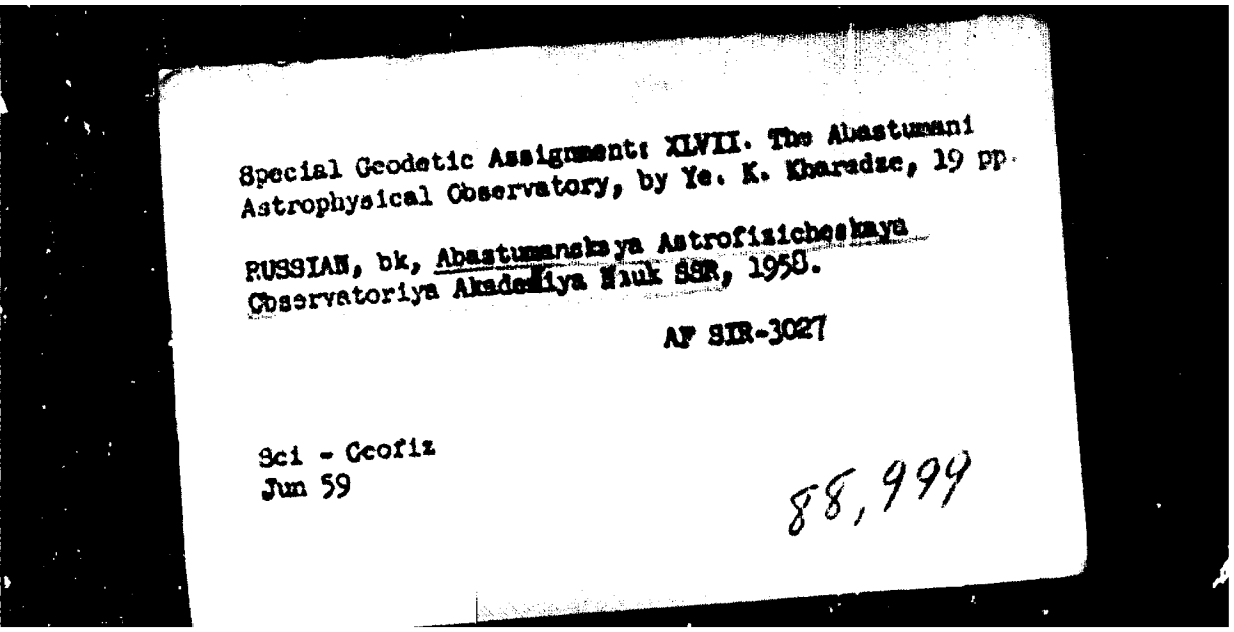


Special Geodetic Assignment: XLVII. The Abastumani Astrophysical Observatory, by Ye. K. Kharadze, 19 pp.

RUSSIAN, bk, Abastumanskaya Astrofizicheskaya Observatoriya Akademiya Nauk SSR, 1958.

AF SIR-3027

Sci - Geofiz
Jun 59

88,999

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

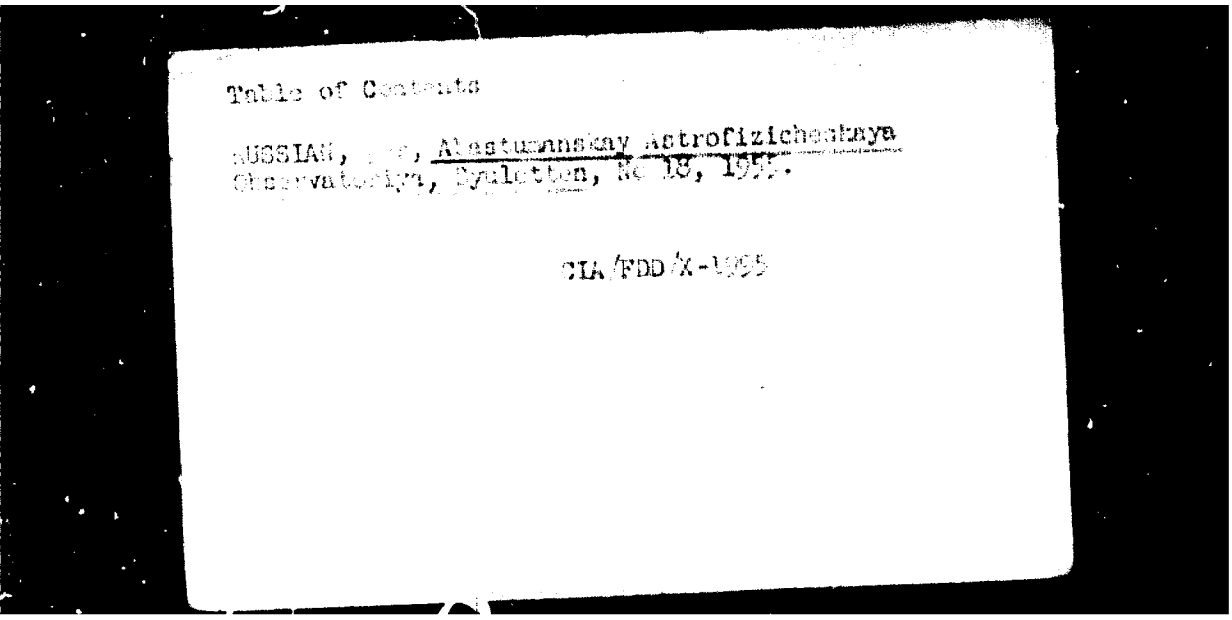


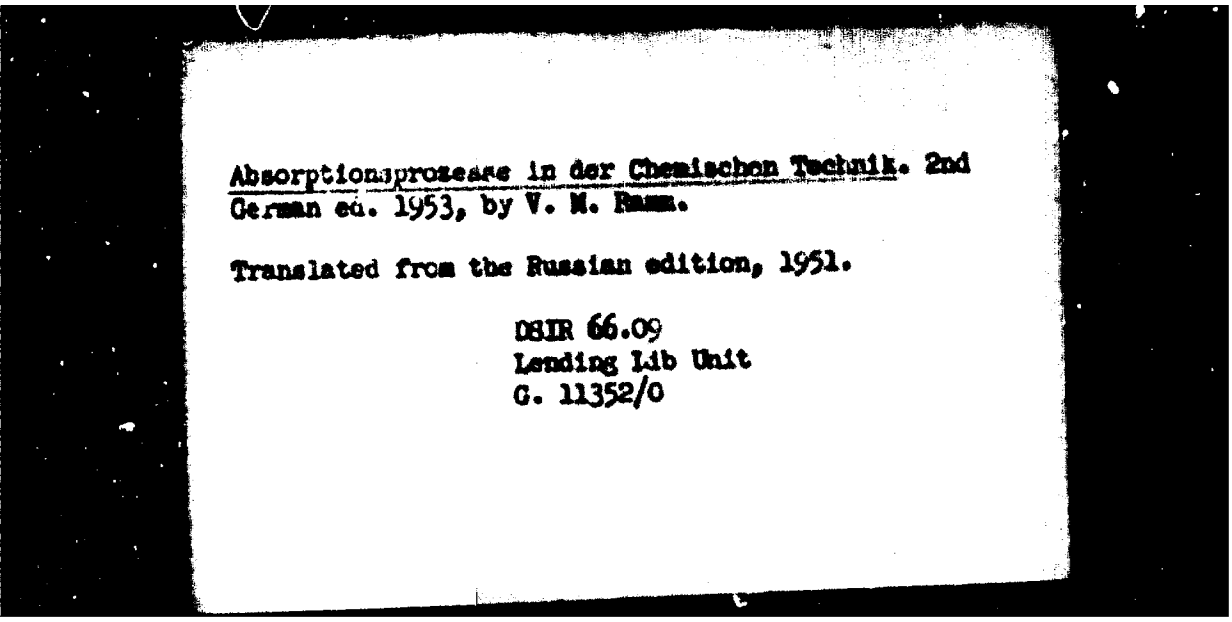
Table of Contents

RUSSIAN, [illegible], Abastumanskay Astrofizicheskaya Observatoriya, Byulleten, No 18, 1955.

CIA/FDD/X-1995

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Absorptionsprozesse in der Chemischen Technik. 2nd German ed. 1953, by V. M. Ramm.

Translated from the Russian edition, 1951.

OSIR 66.09
Lending Lib Unit
G. 11352/0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

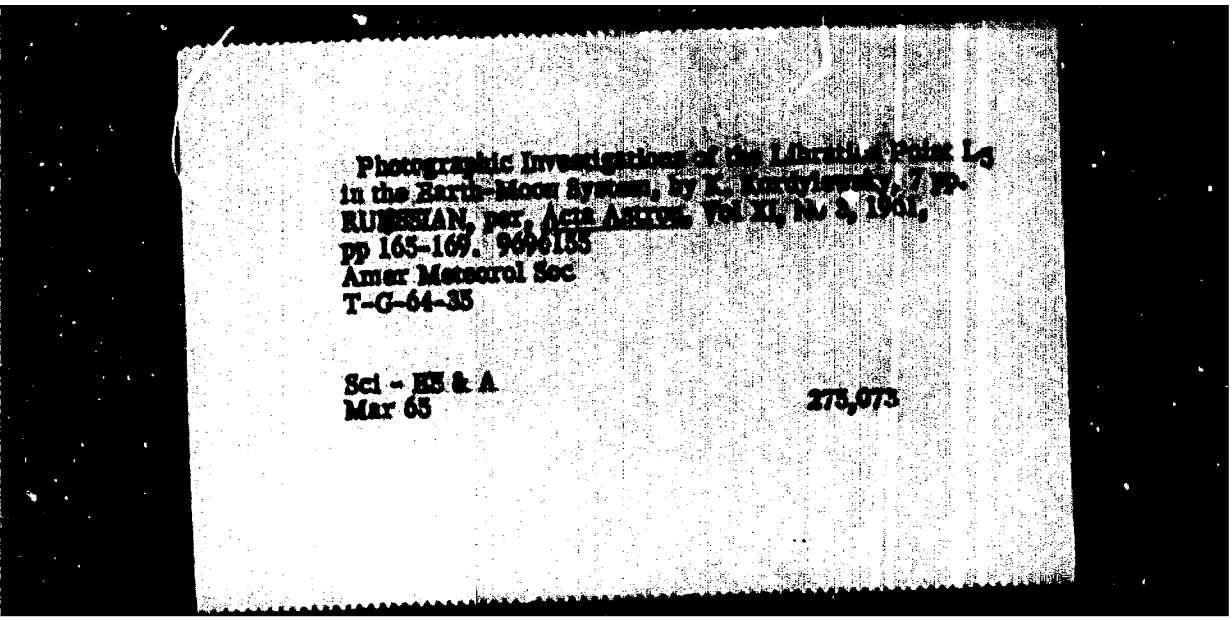
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Sn and Cu Conducting Films by Chemical Deposition on Glass, by C. Todireanu.
RUSSIAN, per, Academia Republica Populare Romine. Studii Si Cercetari de Fizica, Vol 14, No 4, 1965, pp 525-527.
*FTD-TT-65-1194

Sci/Chemistry
Sep 65

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



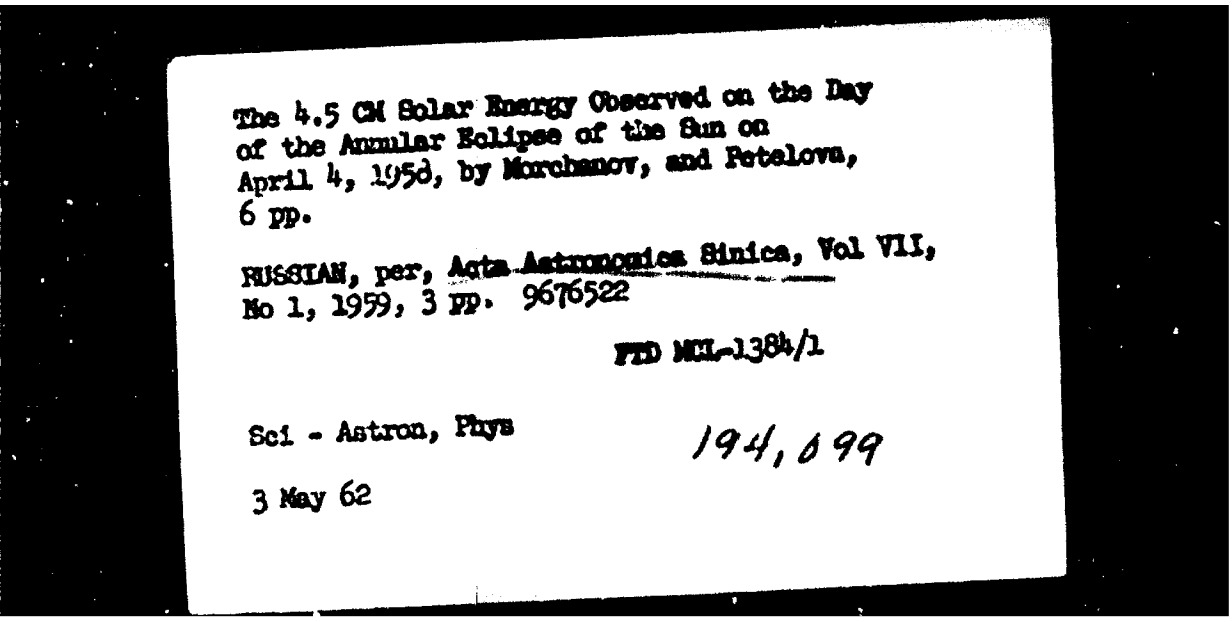
Photographic Investigations of the Libration Point L5
in the Earth-Moon System, by [illegible], 7 pp.
RUSSIAN, per: Acta Astron, Vol XI, No 4, 1961,
pp 165-169. 9606155
Amer Meteorol Soc
T-G-64-35

Sci - E5 & A
Mar 65

275,073

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



The 4.5 CM Solar Energy Observed on the Day of the Annular Eclipse of the Sun on April 4, 1958, by Marchenov, and Petelova, 6 pp.

RUSSIAN, per, Acta Astronomica Sinica, Vol VII, No 1, 1959, 3 pp. 9676522

FTD MTL-1384/1

Sci - Astron, Phys

194,099

3 May 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

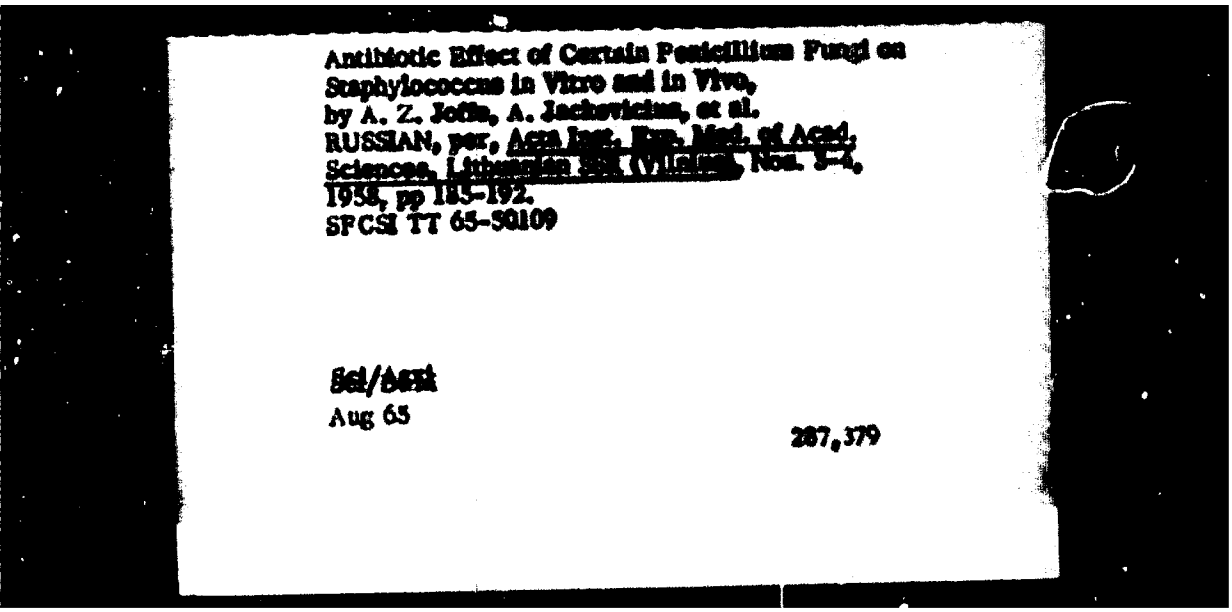
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Studies on the extraction of red Kober color by organic solvents for estrogen determination in urine, by G. Ittrich
RUSSIAN, por, Acta Endocr (Kobenhavn), Vol 35, 1960, pp 34-48
[illegible] XIII 6-12-67

Bio & Med
July 67 332,991

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



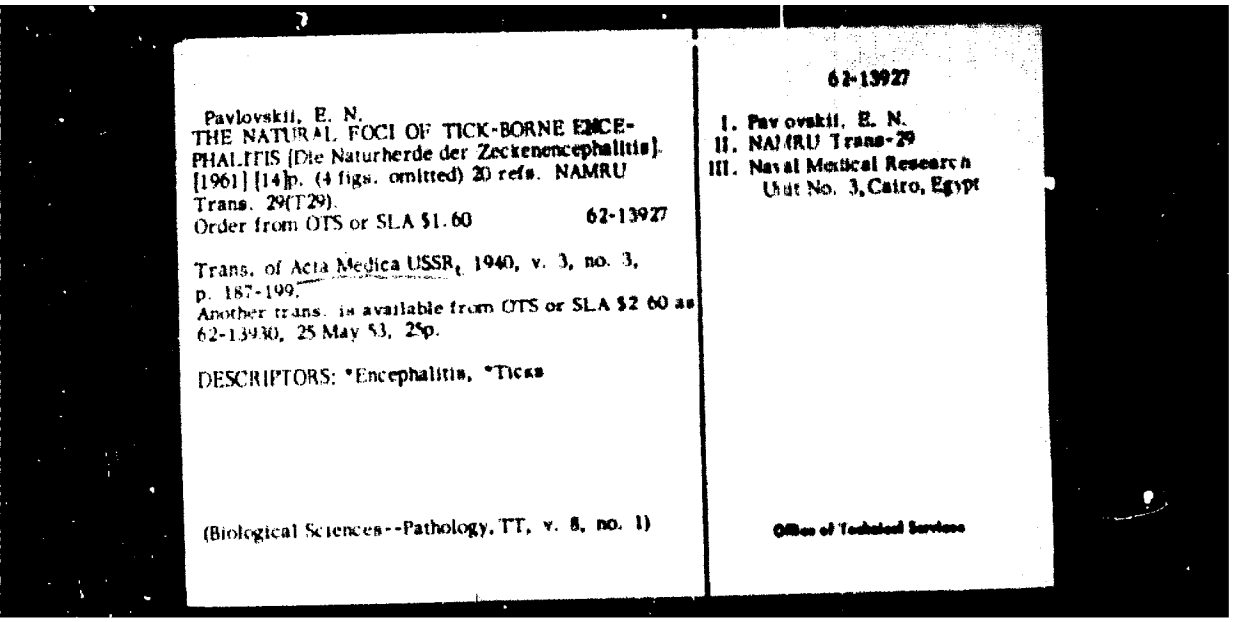
Antibiotic Effect of Certain Penicillium Fungi on Staphylococcus in Vitro and in Vivo,
by A. Z. Jotis, A. Jachovicius, et al.
RUSSIAN, per, Acta Inst. Exp. Med. of Acad. Sciences, Lithuanian SSR (Vilnius, Nos. 3-4, 1958, pp 185-192.
SFCSI TT 65-50109

Sci/Tech
Aug 65

287,379

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Pavlovskii, E. N.
THE NATURAL FOCI OF TICK-BORNE ENCEPHALITIS [Die Naturherde der Zeckenencephalitis]. [1961] [14]p. (4 figs. omitted) 20 refs. NAMRU Trans. 29(T29).
Order from OTS or SLA $1.60 62-13927

Trans. of Acta Medica USSR, 1940, v. 3, no. 3, p. 187-199.
Another trans. is available from OTS or SLA $2.60 as 62-13930, 25 May 53, 25p.

DESCRIPTORS: *Encephalitis, *Ticks

(Biological Sciences--Pathology, TT, v. 8, no. 1)

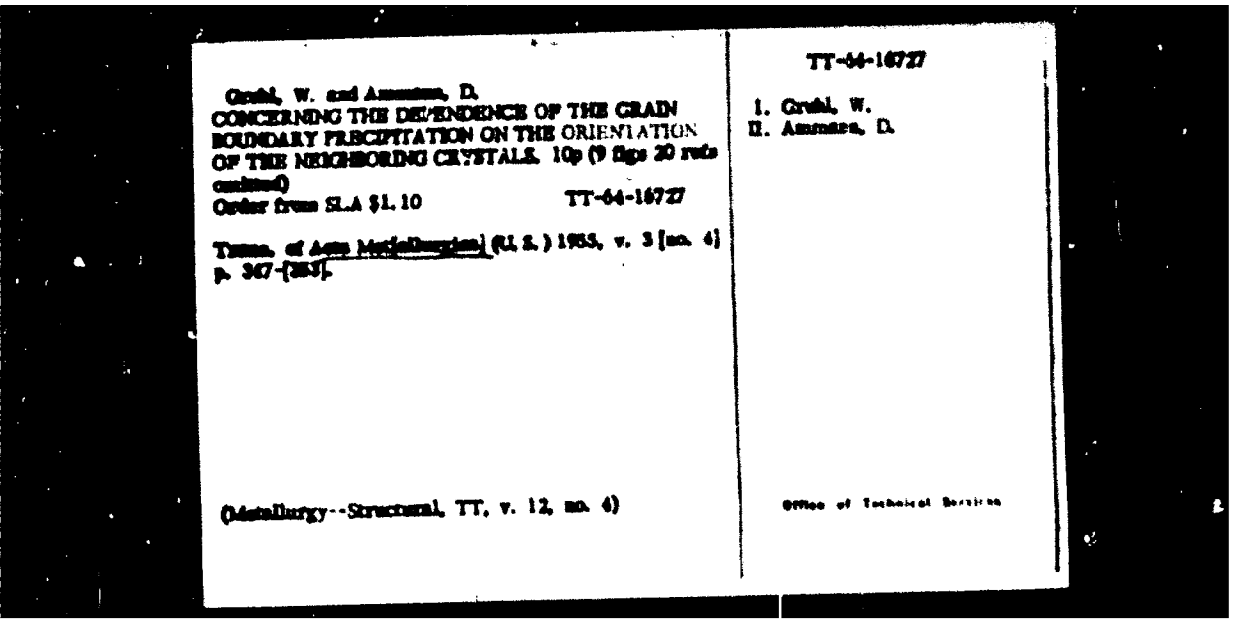
62-13927

I. Pavlovskii, E. N.
II. NAMRU Trans-29
III. Naval Medical Research Unit No. 3, Cairo, Egypt

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Grubl, W. and Ammann, D.
CONCERNING THE DEPENDENCE OF THE GRAIN BOUNDARY PRECIPITATION ON THE ORIENTATION OF THE NEIGHBORING CRYSTALS. 10p (9 figs 20 refs enclosed)
Order from SLA $1.10 TT-64-16727

Trans. of Acta Metallurgica (U.S.) 1955, v. 3 [no. 4] p. 307-[313].

(Metallurgy--Structural, TT, v. 12, no. 4)

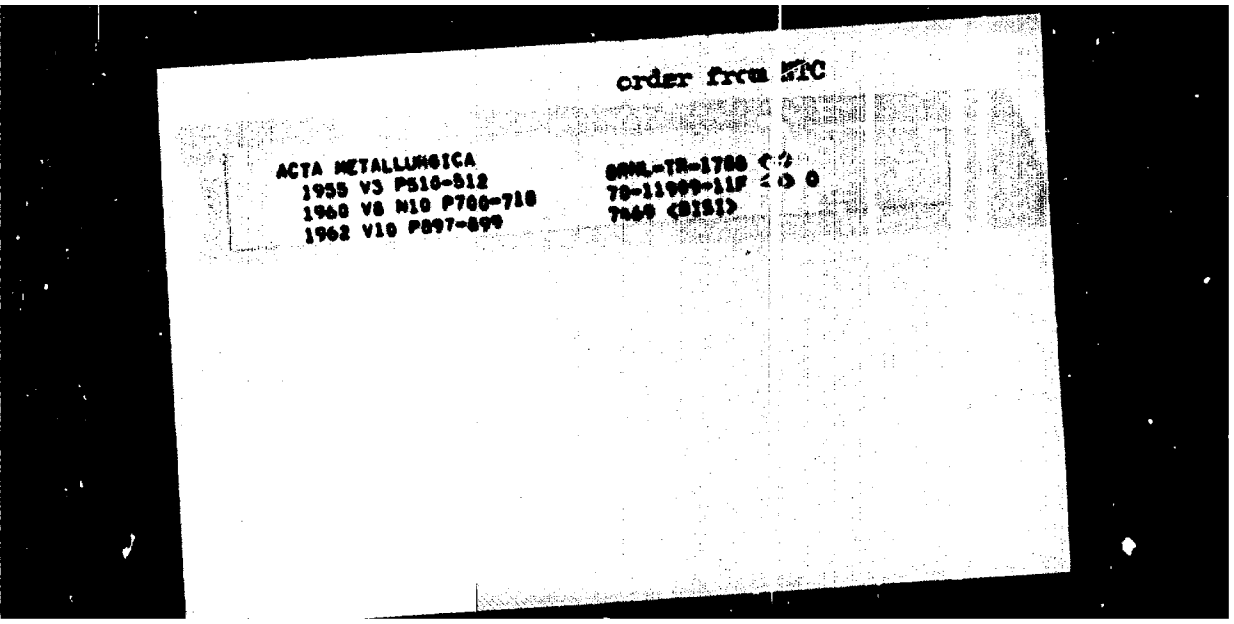
TT-64-16727

1. Grubl, W.
II. Ammann, D.

Office of Technical Services

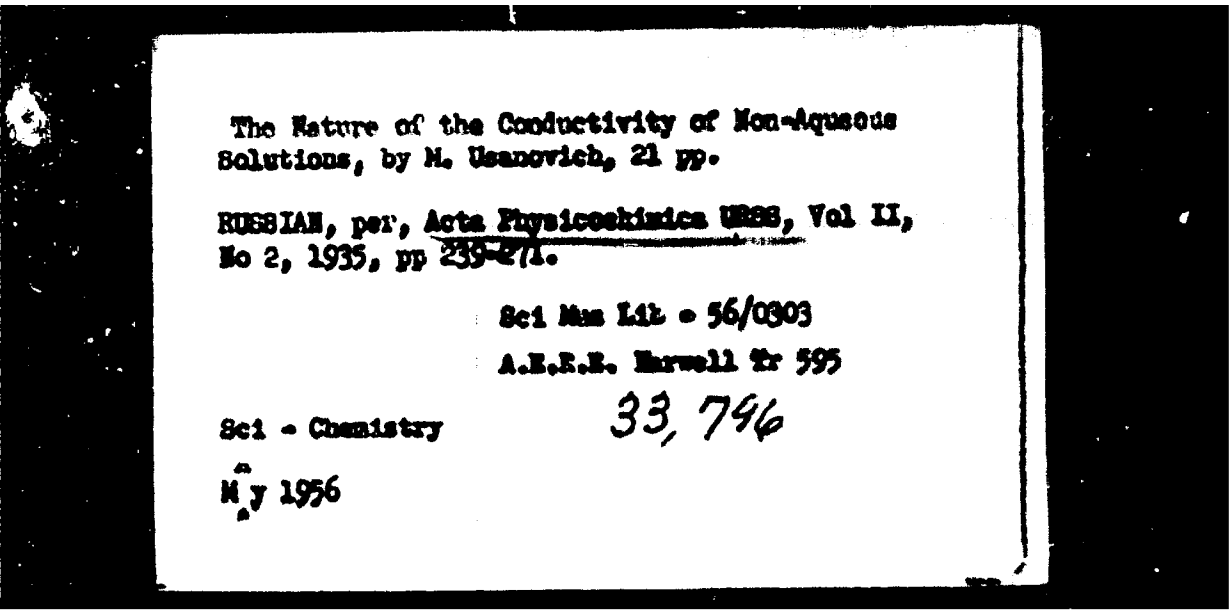
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



The Nature of the Conductivity of Non-Aqueous Solutions, by M. Usanovich, 21 pp.

RUSSIAN, per, Acta Physicochimica URSS, Vol II, No 2, 1935, pp 239-271.

Sci Mus Lit • 56/0303

A.E.R.E. Harwell Tr 595

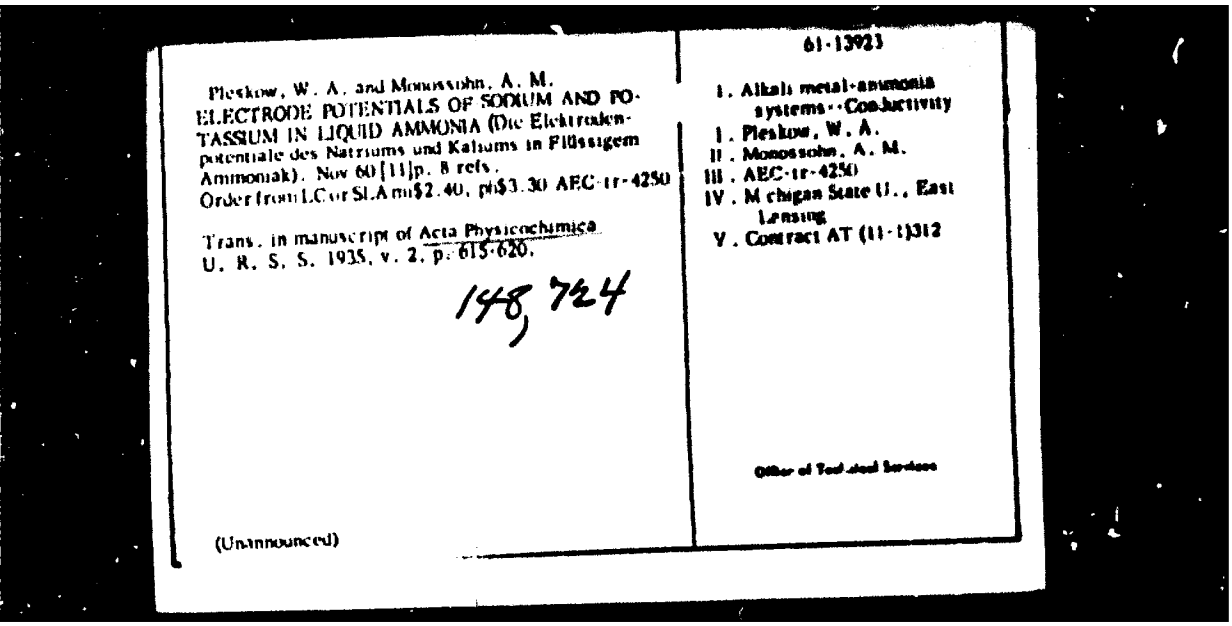
Sci - Chemistry

33,746

May 1956

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Pleskow, W. A. and Monossohn, A. M.
ELECTRODE POTENTIALS OF SODIUM AND POTASSIUM IN LIQUID AMMONIA (Die Elektrodenpotentiale des Natriums und Kaliums in Flüssigem Ammoniak). Nov 60 [11]p. 8 refs.
Order from LC or SLA m$2.40, ph$3.30 AEC-tr-4250

Trans. in manuscript of Acta Physicochimica U. R. S. S. 1935, v. 2, p. 615-620.

148, 724

(Unannounced)

61-13923

I. Alkali metal-ammonia systems--Conductivity
I. Pleskow, W. A.
II. Monossohn, A. M.
III. AEC-tr-4250
IV. Michigan State U., East Lansing
V. Contract AT (11-1)312

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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V. A. PLESKOV, A. M. MONOSZON

Electrode potentials in water and liquid ammonia

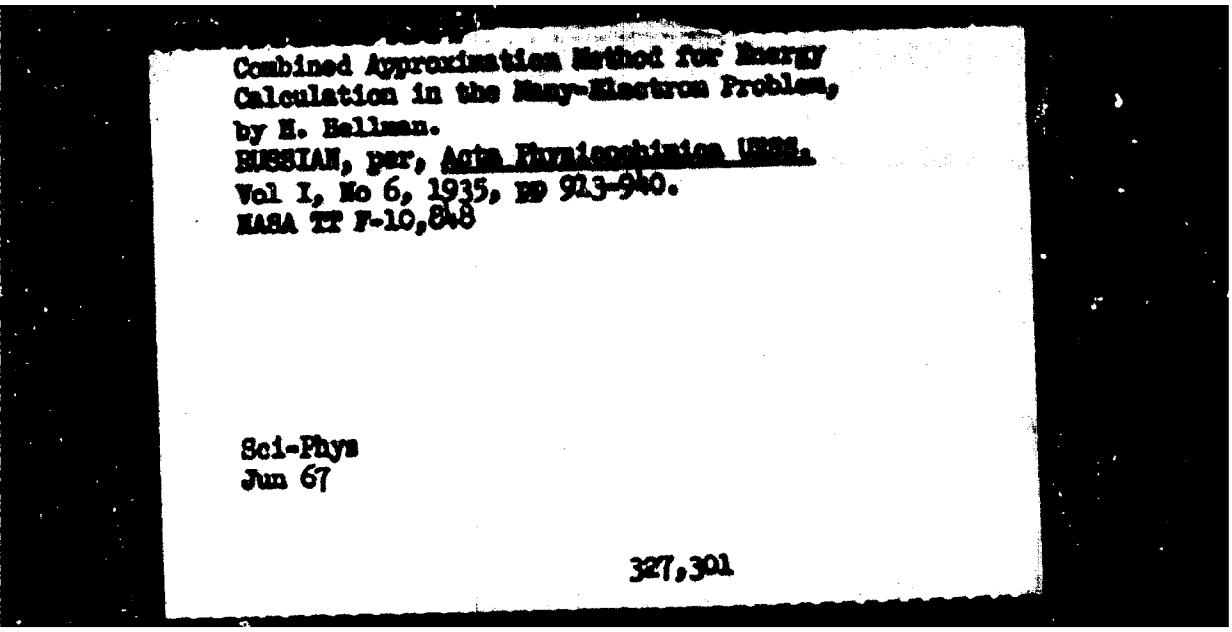
Acta Physicochim. URSS, 2, 621-632 (1935). University of Michigan

English

Euratom

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Combined Approximation Method for Energy
Calculation in the Many-Electron Problem,
by H. Hellman.
RUSSIAN, per, Acta Physicochimica [illegible],
Vol I, No 6, 1935, pp 913-940.
NASA TT F-10,848

Sci-Phys
Jun 67

327,301

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Investigations of the Flame of CO and O_2, I. The Influence of Pressure on the Intensity of the Visible Radiation From the Flame, by N. Kondratyev, V. Kondratyev, 9 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol IV, No 4, 1936.

Available in English at LC

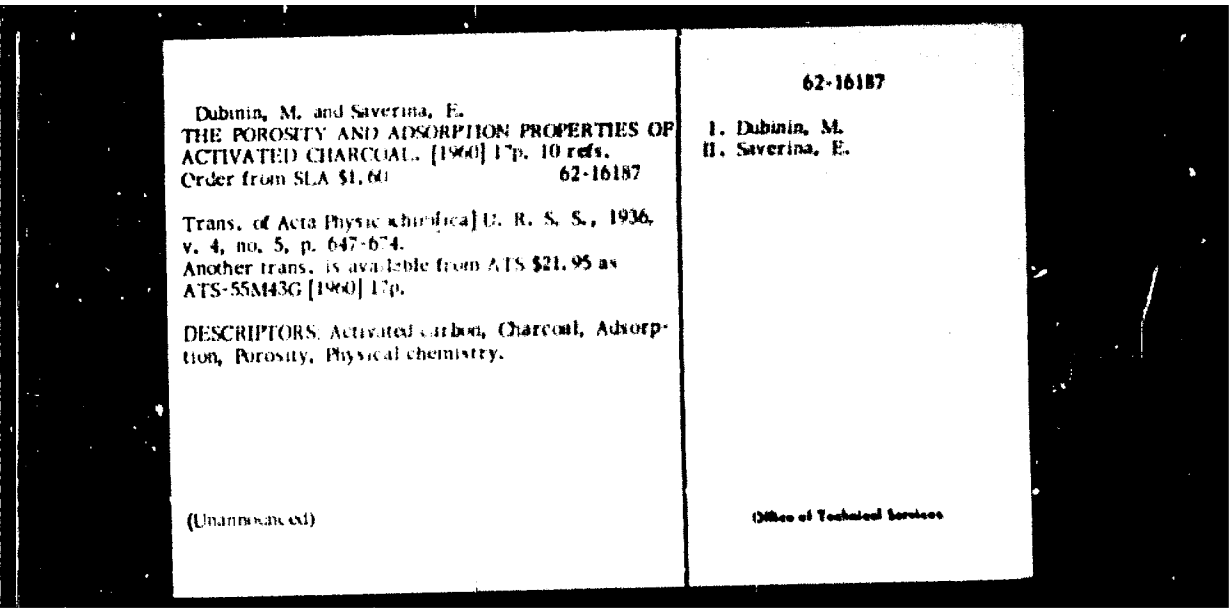
Sci

Aug 60

121,713

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Dubinin, M. and Saverina, E.
THE POROSITY AND ADSORPTION PROPERTIES OF ACTIVATED CHARCOAL. [1960] 17p. 10 refs.
Order from SLA $1.60 62-16187

Trans. of Acta Physicochimica] U. R. S. S., 1936, v. 4, no. 5, p. 647-674.
Another trans. is available from ATS $21.95 as ATS-55M43G [1960] 17p.

DESCRIPTORS: Activated carbon, Charcoal, Adsorption, Porosity, Physical chemistry.

(Unannounced)

62-16187

I. Dubinin, M.
II. Saverina, E.

(Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Slygin, A., Frumkin, A., and Medvedovskii, W.
PLATINUM ELECTRODES. II. THE ADSORPTIVE PROPERTIES OF THE PLATINUM ELECTRODE
(Über die Platinelektrode) tr. by F. Hudswell.
jan 61 [27]p. 10 refs. NP-tr-596.
Order from OTS or SLA $2.60 63-23290

Trans. of Acta Physicochimica U. R. S. S., 1936, v. 4, no. 6, p. 911-928.

DESCRIPTORS: *Electrodes, *Platinum, Adsorption.

See also 63-23291

(Chemistry--Physical, TT, v. 10, no. 8)

63-23290

I. Slygin, A.
II. Frumkin, A.
III. Medvedovskii, A.
IV. NP-tr-596
V. Atomic Energy Research Establishment (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Roginskii, S. and Schechter, A.
CHEMICAL REACTIONS IN ELECTRICAL DISCHARGES. III. INVESTIGATION OF THE HETEROGENEOUS RECOMBINATION OF ATOMS (Chemische Reaktionen in Elektrischen Entladungen. III. Untersuchung der Heterogenen Rekombination von Atom) tr. by Jerome Danburg. Oct 62 [20]p. 9 refs. AmMetSoc T-G-186.
Order from OTS or SLA $1.60 63-19207

Trans. of Acta Physicochimica U. R. S. S., 1937, v. 6, no. 3, p. 401-418.

DESCRIPTORS: *Electrical discharges, *Chemical reactions, *Recombination reactions, *Hydrogen, *Nitrogen, *Oxygen, *Platinum catalysts, *Tungsten, *Argon, Stabilization, Metals, Oxides, Surfaces

The recombination of hydrogen and nitrogen atoms on Pt and W over a wide range of temperature was investi- (Chemistry--Physical, TT, v. 10, no. 2) (over)

63-19207

I. Roginskii, S.
II. Schechter, A.
III. AmMetSoc-T-G-186
IV. American Meteorological Society, Boston, Mass.
V. Contract AF-19(604)6113
VI. Title: Investigation...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Investigations of the Flame of CO and O_2.
II. The Influence of the Composition of the Mixture on the Intensity of the Visible Radiation From the Flame, by [illegible]. Kondratyeva, V. Kondratyev, 12 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol VI, No 4, 1937.

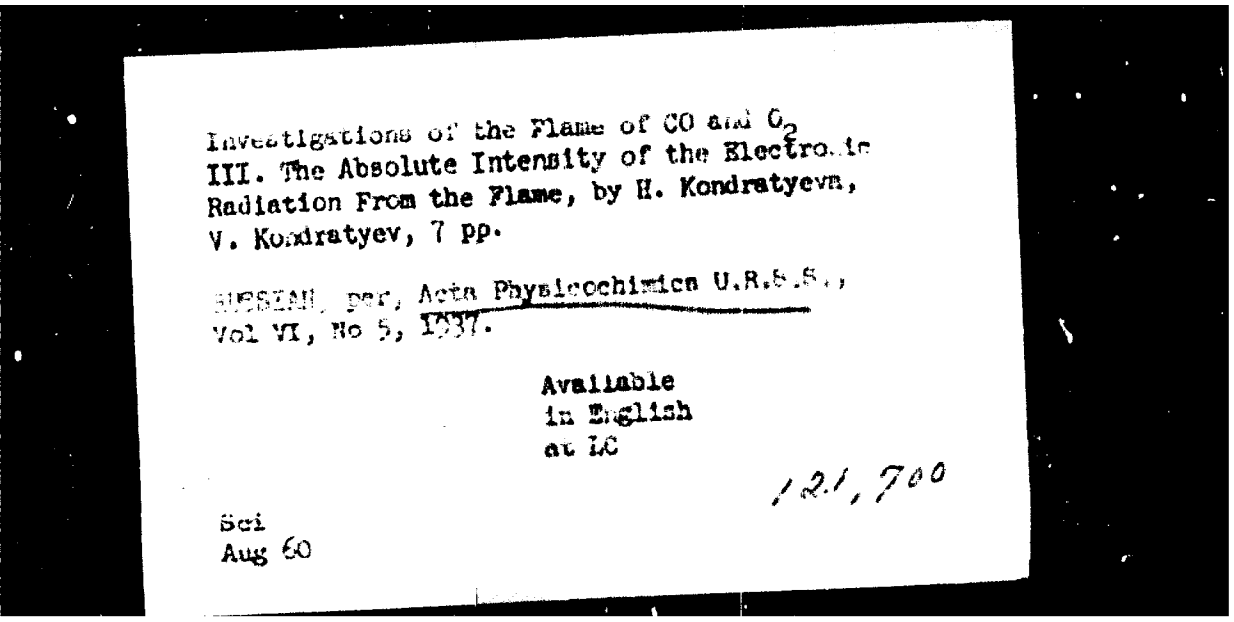
Available in English at LC

121,701

Sc1
Aug 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Investigations of the Flame of CO and O_2
III. The Absolute Intensity of the Electronic
Radiation From the Flame, by N. Kondratyeva,
V. Kondratyev, 7 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S.,
Vol VI, No 5, 1937.

Available
in English
at LC

121,700

Sci
Aug 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

The Light Absorption and Absolute Concentration of Hydroxyl, by L. Avramenko, V. Kondratyev, 14 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol VII, No 4, 1937.

Available in English at LC

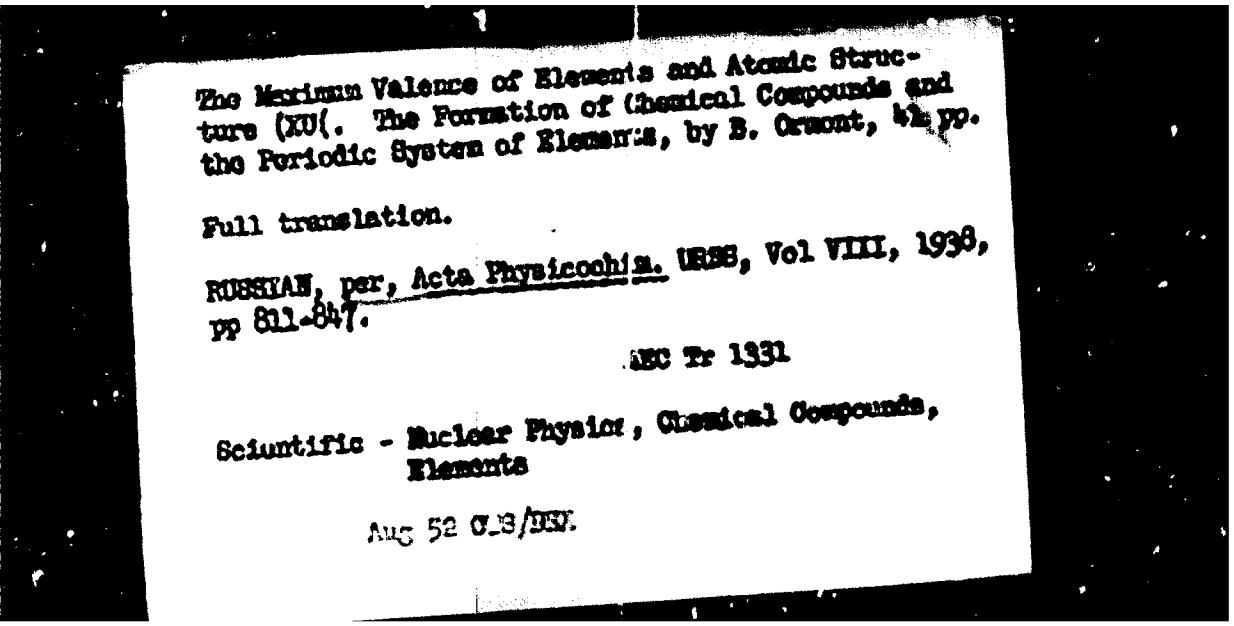
Sci

Aug 60

121,723

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



The Maximum Valence of Elements and Atomic Structure (XU(. The Formation of Chemical Compounds and the Periodic System of Elements, by B. Ormont, 4½ pp.

Full translation.

RUSSIAN, per, Acta Physicochim. URSS, Vol VIII, 1938, pp 811-847.

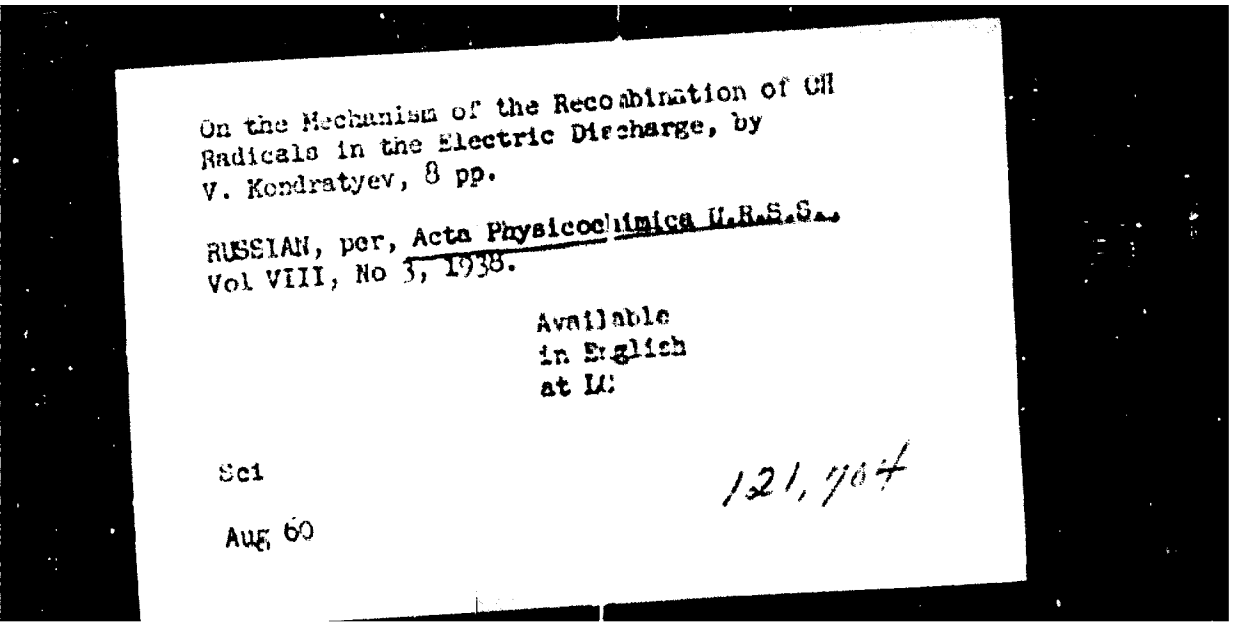
AEC Tr 1331

Scientific - Nuclear Physics, Chemical Compounds, Elements

Aug 52 OTS/TSV.

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



On the Mechanism of the Recombination of CH Radicals in the Electric Discharge, by V. Kondratyev, 8 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol VIII, No 3, 1938.

Available in English at LC

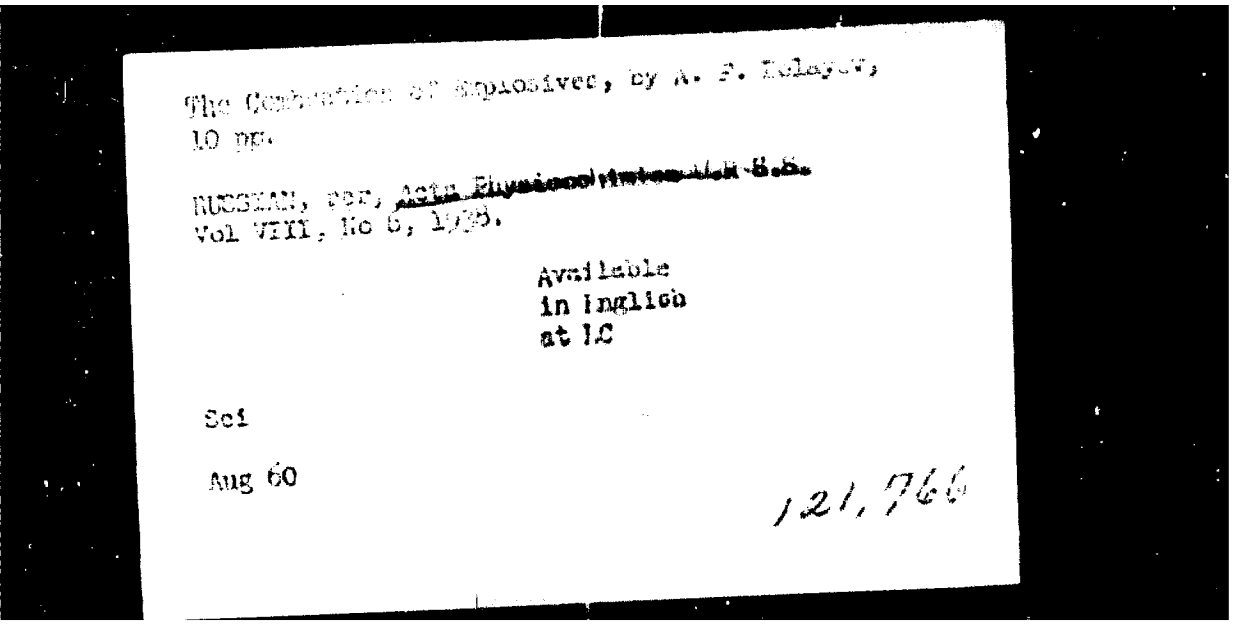
Sci

Aug 60

121,704

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



The Combustion of Explosives, by A. F. Belayev,
10 pp.

RUSSIAN, PGF, Acta Physicochimica U.R.S.S.
Vol VIII, No 6, 1938.

Available
in English
at LC

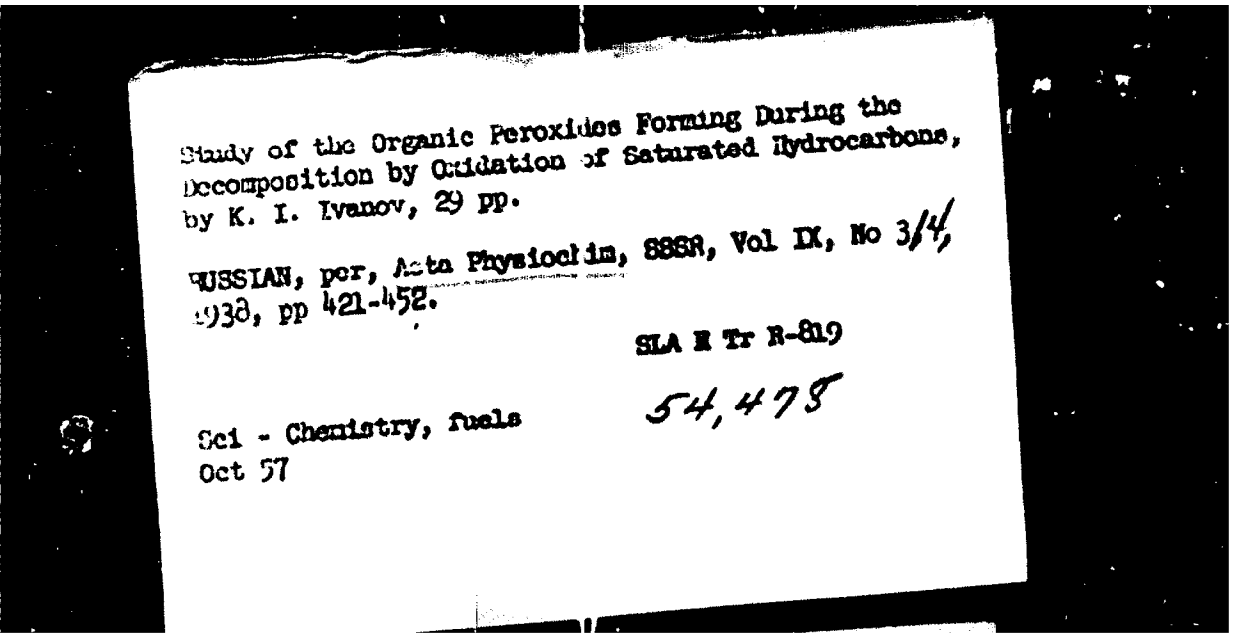
Sci

Aug 60

121,766

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Study of the Organic Peroxides Forming During the Decomposition by Oxidation of Saturated Hydrocarbons, by K. I. Ivanov, 29 pp.

RUSSIAN, per, Acta Physiochim, SSSR, Vol IX, No 3/4, 1938, pp 421-452.

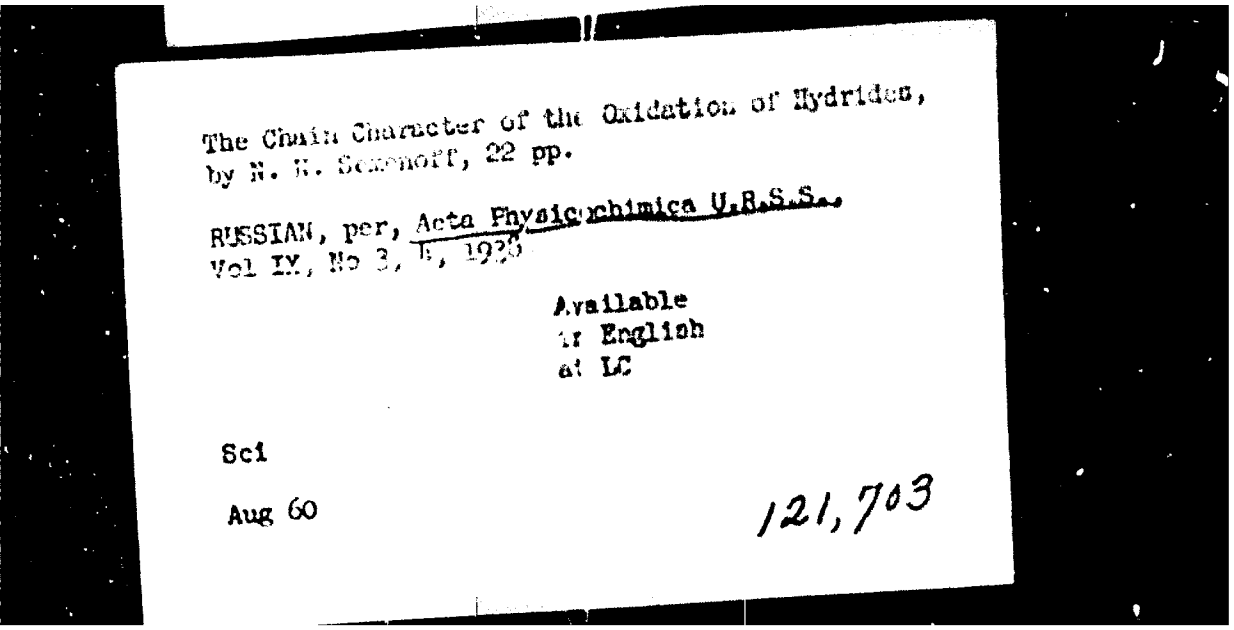
SLA R Tr R-819

54,475

Sci - Chemistry, fuels
Oct 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



The Chain Character of the Oxidation of Hydrides,
by N. N. Semenoff, 22 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S.,
Vol IV, No 3, 1, 1936

Available
in English
at LC

Sci

Aug 60

121,703

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

(MY-4839).

The Theory of the Thermal Explosion. II. Thermal Explosion for Monomolecular Reactions, by O. M. Todes, P. V. Melent'jev, 26 pp.

RUSSIAN, per, Acta Physiochimica USSR 1939, Vol XI, No 2, 1939, pp 153-180.

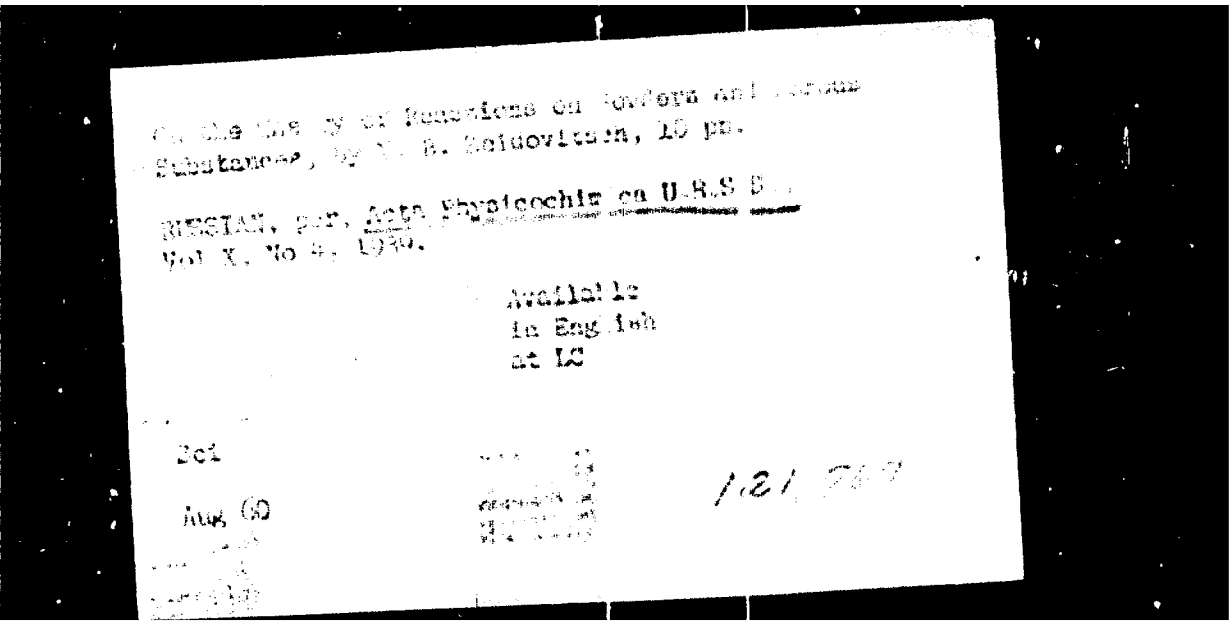
JPRS 7033

Sci - Pgnyn
22 Nov 60

133,830

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



On the Use of Resonance on Powders and ...
Substances, by V. N. Zaitsovitsch, 10 pp.

RUSSIAN, pub. Acta Physicochim en U.R.S.S.
Vol X, No 4, 1939.

Available
in Eng lish
at LC

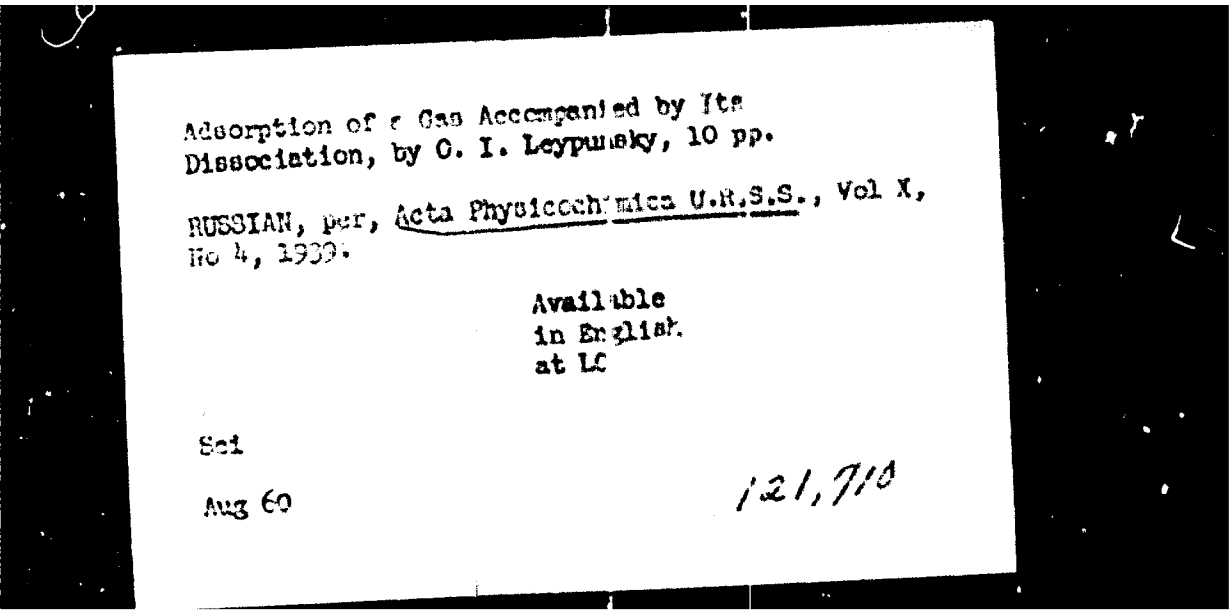
2c1

Aug 60

1.21 [illegible]

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Adsorption of a Gas Accompanied by Its Dissociation, by O. I. Leypunsky, 10 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol X, No 4, 1939.

Available in English at LC

Sci

Aug 60

121,710

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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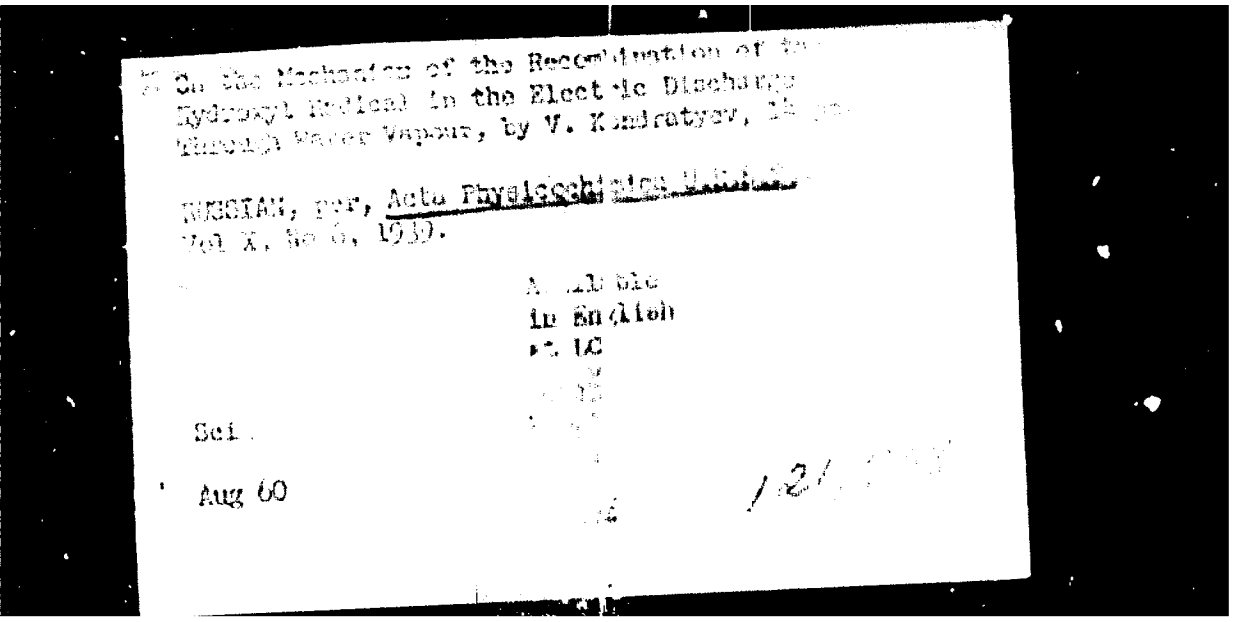

On the Mechanism of the Recombination of the Hydroxyl Radical in the Electric Discharge through Water Vapors, by V. Kondratyev, 12 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S. Vol X, No 6, 1939.

Available in English at IC

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Aug 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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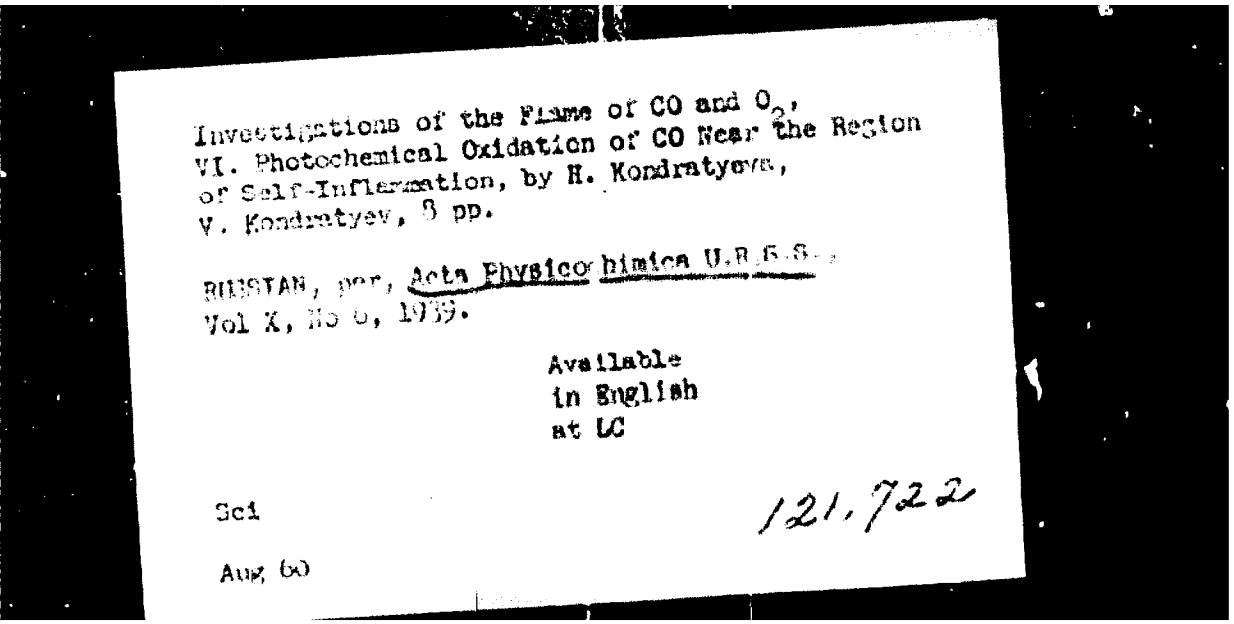

Investigations of the Flame of CO and O_2,
VI. Photochemical Oxidation of CO Near the Region
of Self-Inflammation, by N. Kondratyeva,
V. Kondratyev, 3 pp.

RUSSIAN, per, Acta Physico himica U.R.S.S.,
Vol X, No 6, 1939.

Available
in English
at LC

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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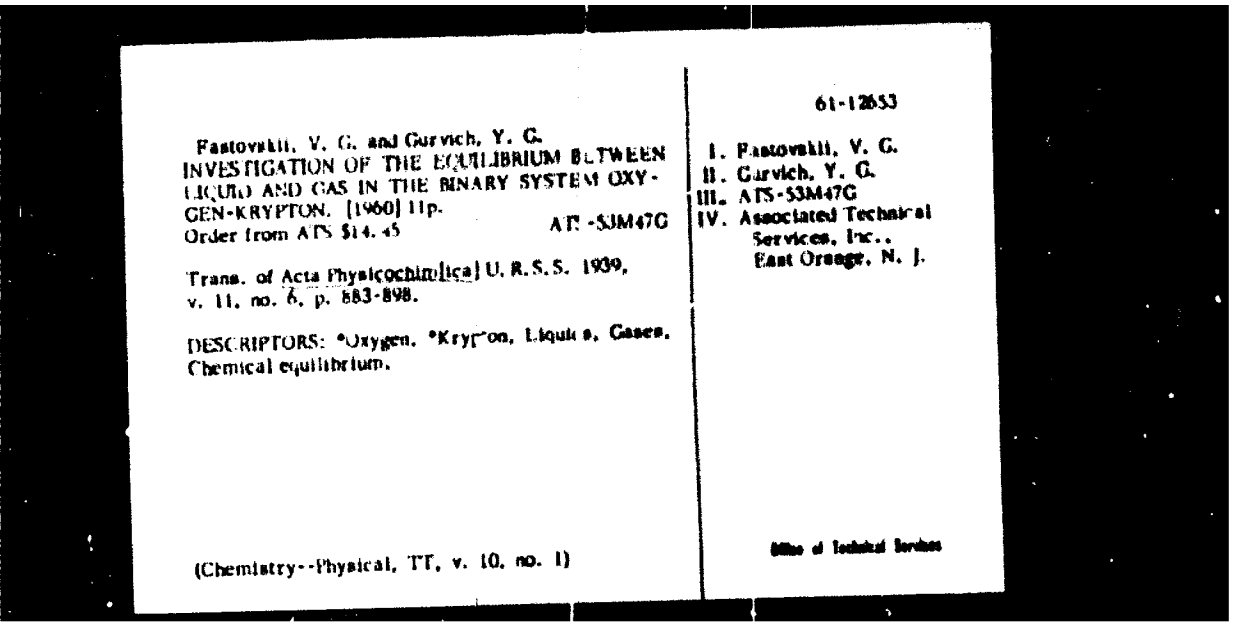

Pastovskii, V. G. and Gurvich, Y. G.
INVESTIGATION OF THE EQUILIBRIUM BETWEEN LIQUID AND GAS IN THE BINARY SYSTEM OXYGEN-KRYPTON. [1960] 11p.
Order from ATS $14.45 ATS-53M47G

Trans. of Acta Physicochimica U. R. S. S. 1939, v. 11, no. 6, p. 883-898.

DESCRIPTORS: *Oxygen, *Krypton, Liquids, Gases, Chemical equilibrium.

(Chemistry--Physical, TT, v. 10, no. 1)

61-12653

I. Pastovskii, V. G.
II. Gurvich, Y. G.
III. ATS-53M47G
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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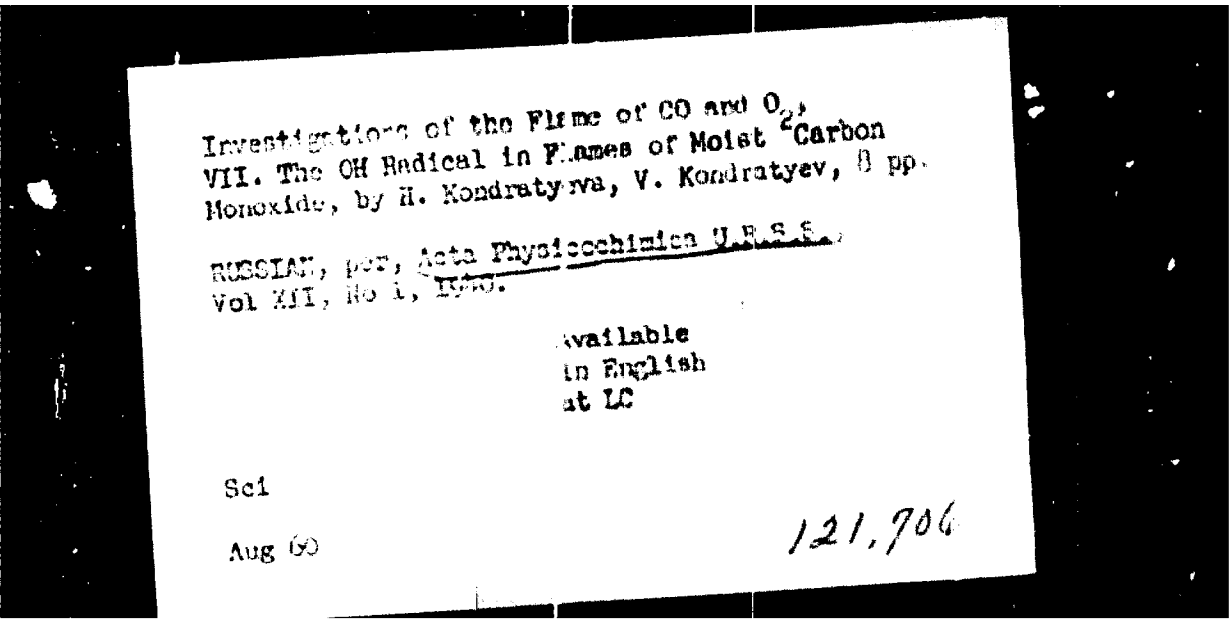

Investigations of the Flame of CO and O_2,
VII. The OH Radical in Flames of Moist Carbon
Monoxide, by N. Kondratyeva, V. Kondratyev, 8 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S.,
Vol XII, No 1, 1940.

Available
in English
at LC

Sci

Aug 60

121,706

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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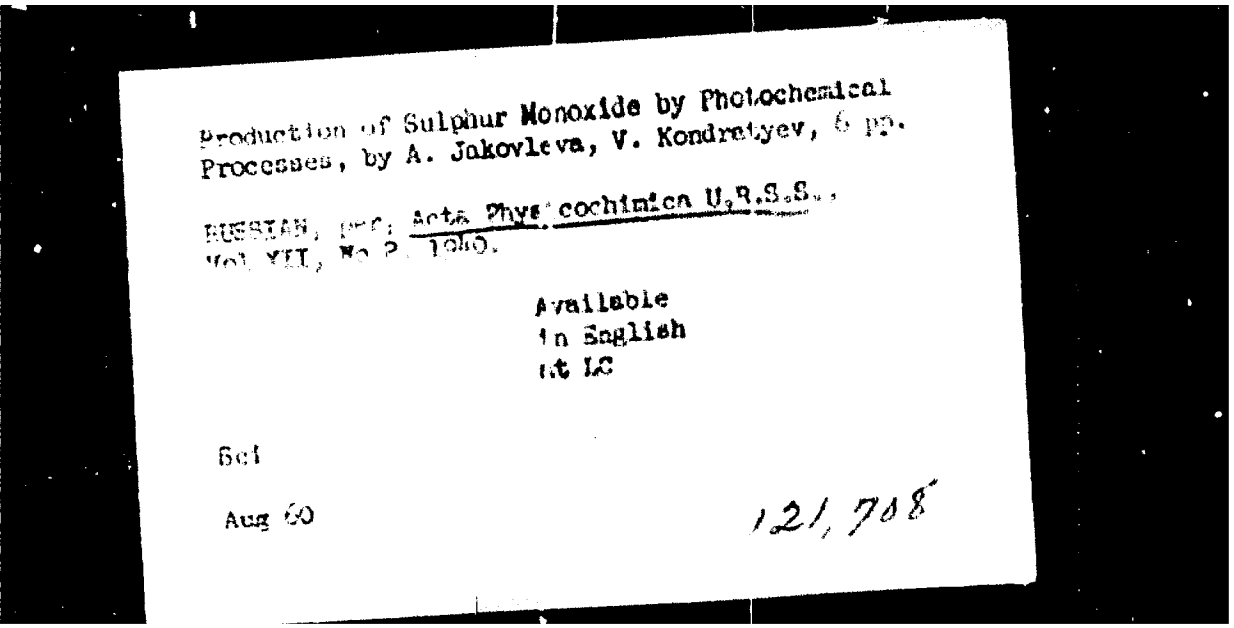

Production of Sulphur Monoxide by Photochemical Processes, by A. Jakovleva, V. Kondratyev, 6 pp.

RUSSIAN, PER: Acta Physicochimica U.R.S.S., Vol XII, No 2, 1940.

Available
in English
at LC

Sci

Aug 60

121,708

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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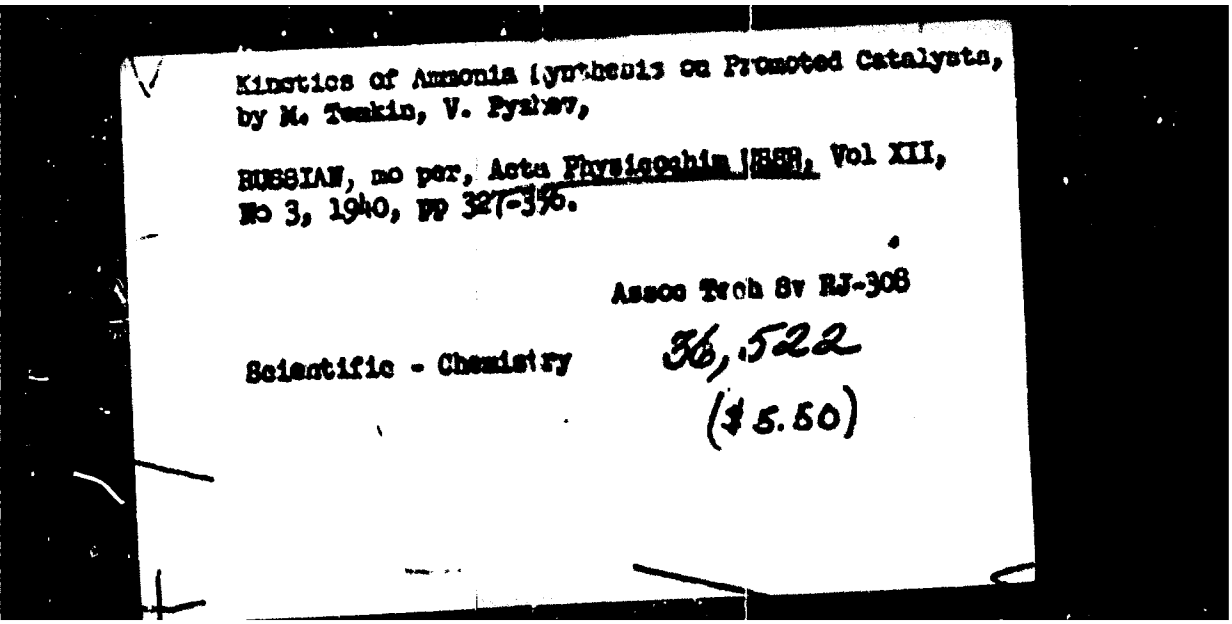

Kinetics of Ammonia Synthesis on Promoted Catalysts,
by M. Temkin, V. Pyzhev,

RUSSIAN, no per, Acta Physicochim USSR, Vol XII,
No 3, 1940, pp 327-356.

Assoc Tech Sv RJ-308

Scientific - Chemistry

36,522
($5.50)

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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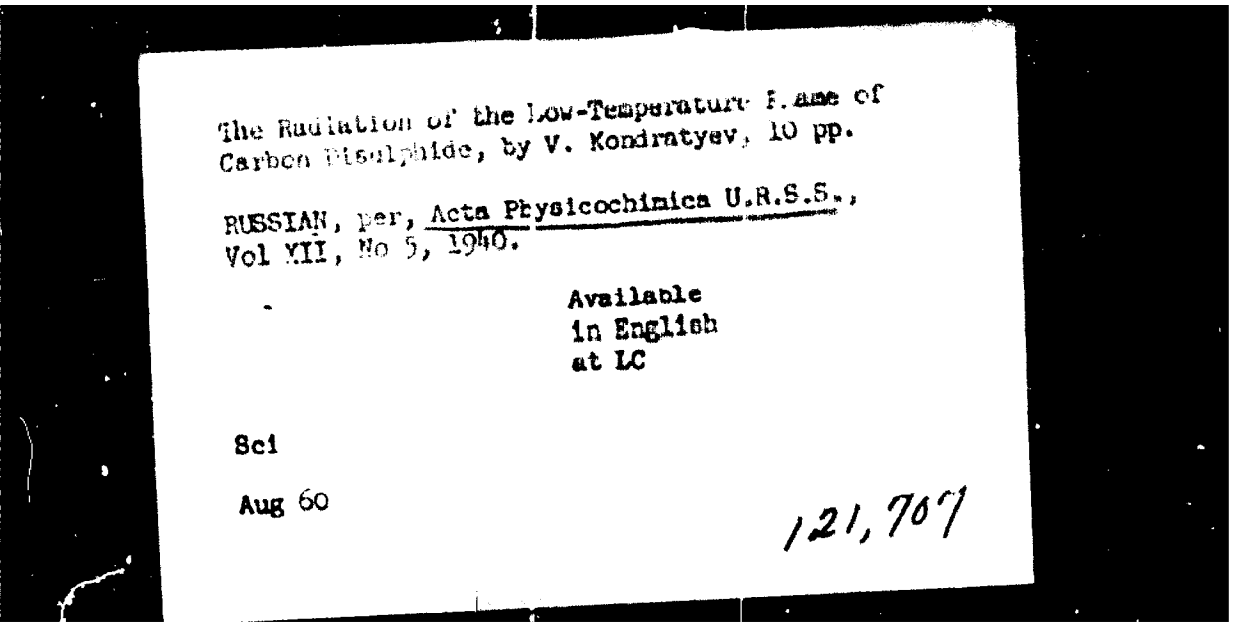

The Radiation of the Low-Temperature Flame of Carbon Disulphide, by V. Kondratyev, 10 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol XII, No 5, 1940.

Available
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Aug 60

121,707

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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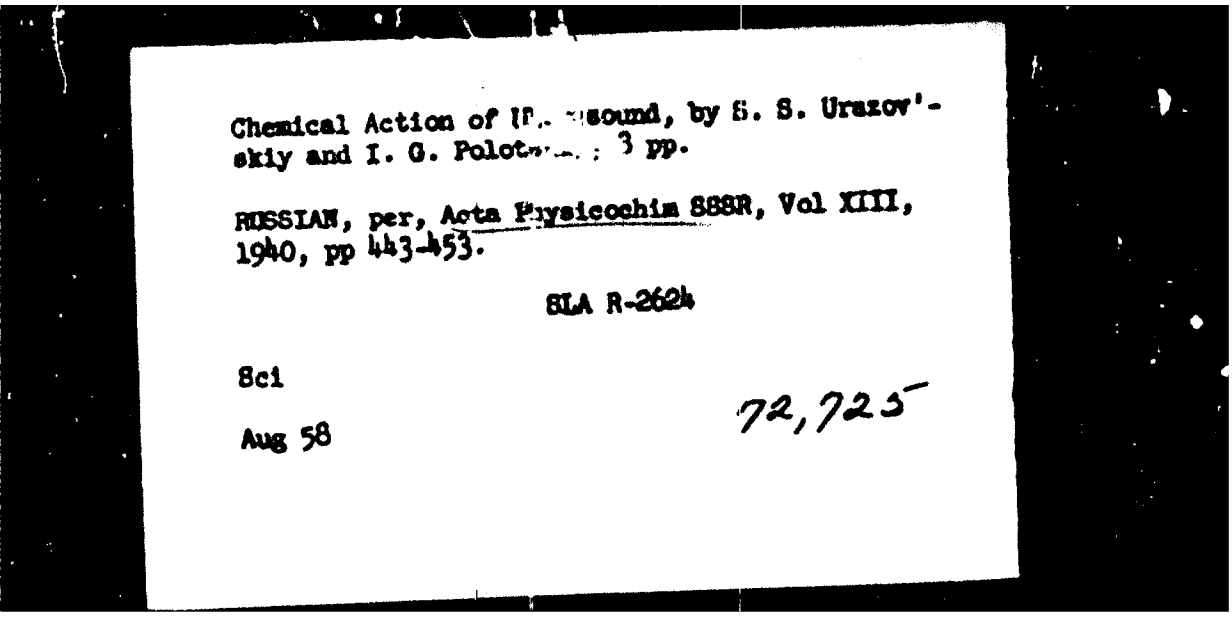

Chemical Action of [illegible]sound, by S. S. Urazov'-skiy and I. G. Polot[illegible] : 3 pp.

RUSSIAN, per, Acta Physicochim SSSR, Vol XIII, 1940, pp 443-453.

SLA R-2624

Sci

Aug 58

72,725

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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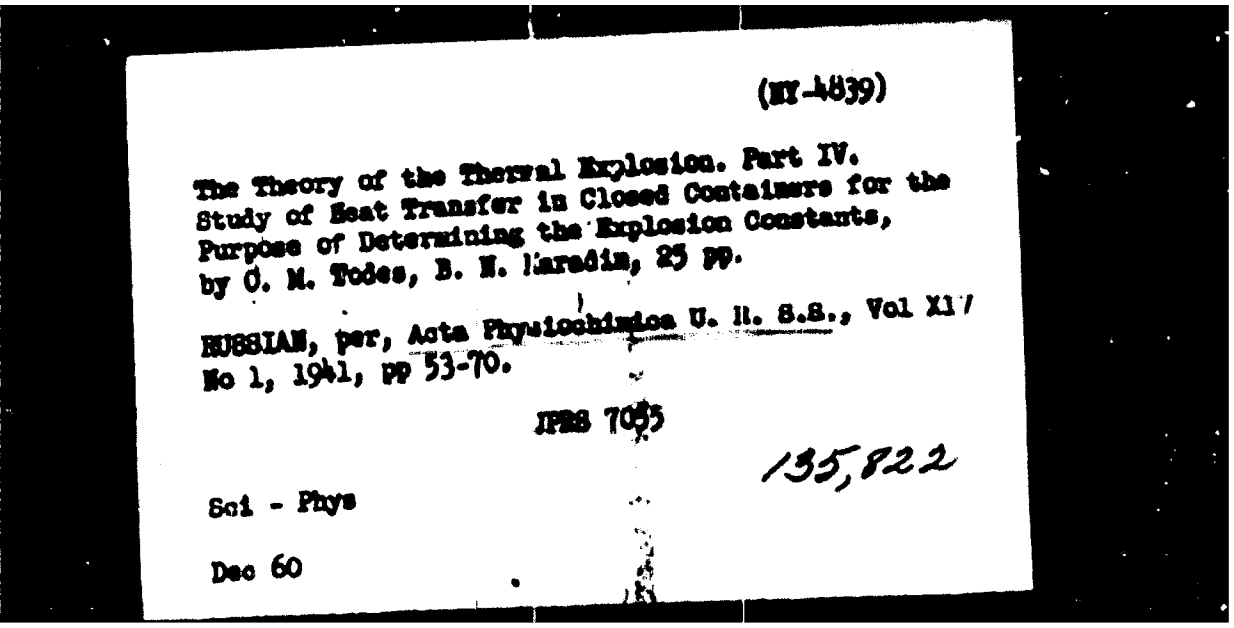


(NY-4839)

The Theory of the Thermal Explosion. Part IV. Study of Heat Transfer in Closed Containers for the Purpose of Determining the Explosion Constants, by O. M. Todes, B. N. Laredin, 25 pp.

RUSSIAN, per, Acta Physiochimica U. R. S.S., Vol XI, No 1, 1941, pp 53-70.

JPRS 7065

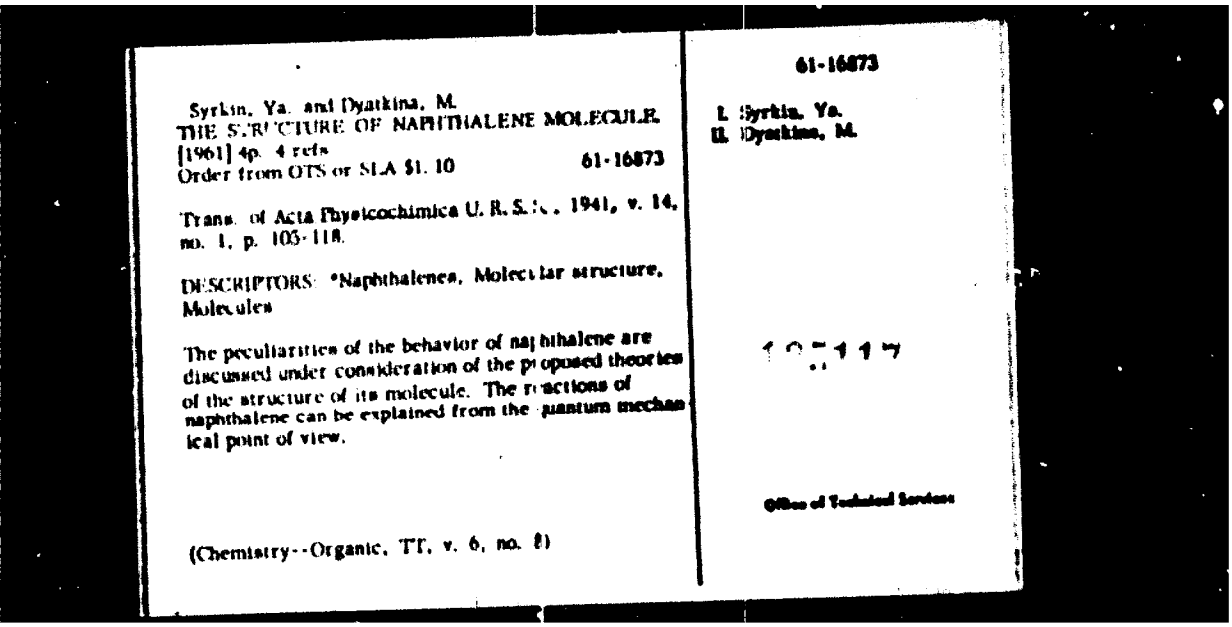
135,822

Sci - Phys

Dec 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Syrkin, Ya. and Dyatkina, M.
THE STRUCTURE OF NAPHTHALENE MOLECULE.
[1961] 4p. 4 refs
Order from OTS or SLA $1.10 61-16873

Trans. of Acta Physicochimica U. R. S. S., 1941, v. 14, no. 1, p. 105-118.

DESCRIPTORS: *Naphthalenes, Molecular structure, Molecules

The peculiarities of the behavior of naphthalene are discussed under consideration of the proposed theories of the structure of its molecule. The reactions of naphthalene can be explained from the quantum mechanical point of view.

(Chemistry--Organic, TT, v. 6, no. 8)

61-16873

I. Syrkin, Ya.
II. Dyatkina, M.

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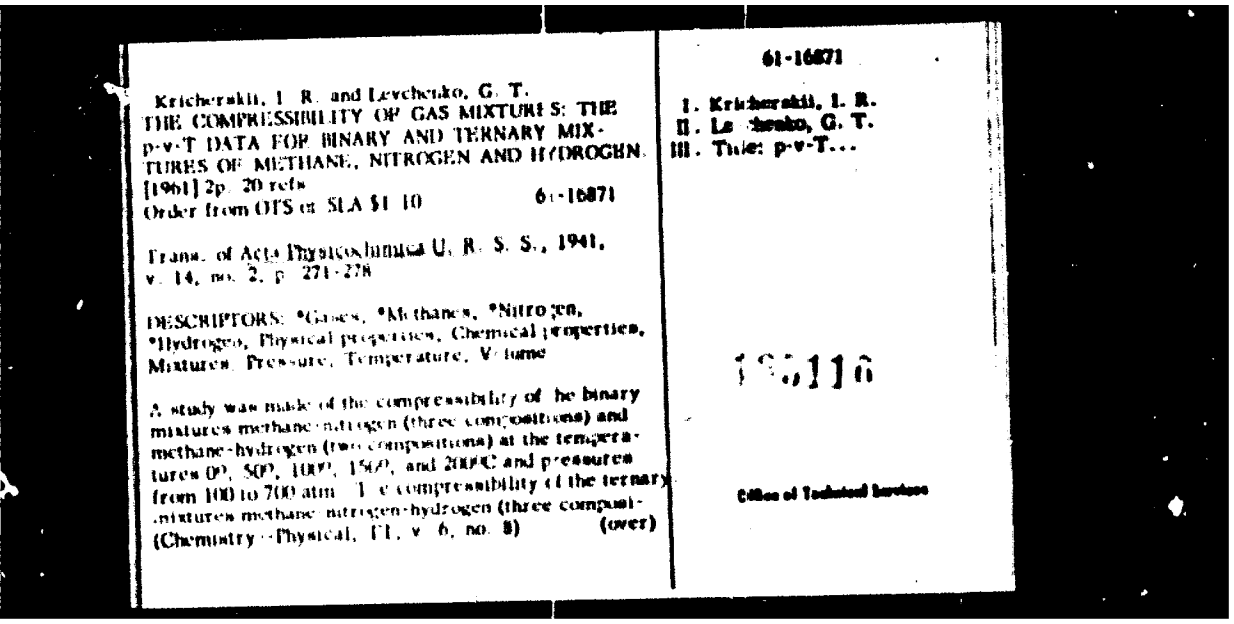

Kricheraklı, I. R. and Levchenko, G. T.
THE COMPRESSIBILITY OF GAS MIXTURES: THE p-v-T DATA FOR BINARY AND TERNARY MIXTURES OF METHANE, NITROGEN AND HYDROGEN. [1961] 2p. 20 refs
Order from OTS as SLA $1.10 61-16871

Trans. of Acta Physicochimica U. R. S. S., 1941, v. 14, no. 2, p. 271-278

DESCRIPTORS: *Gases, *Methanes, *Nitrogen, *Hydrogen, Physical properties, Chemical properties, Mixtures, Pressure, Temperature, Volume

A study was made of the compressibility of the binary mixtures methane-nitrogen (three compositions) and methane-hydrogen (two compositions) at the temperatures 0°, 50°, 100°, 150°, and 200°C and pressures from 100 to 700 atm. The compressibility of the ternary mixtures methane-nitrogen-hydrogen (three composi-
(Chemistry--Physical, TT, v. 6, no. 8) (over)

61-16871

I. Kricheraklı, I. R.
II. Levchenko, G. T.
III. Title: p-v-T...

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Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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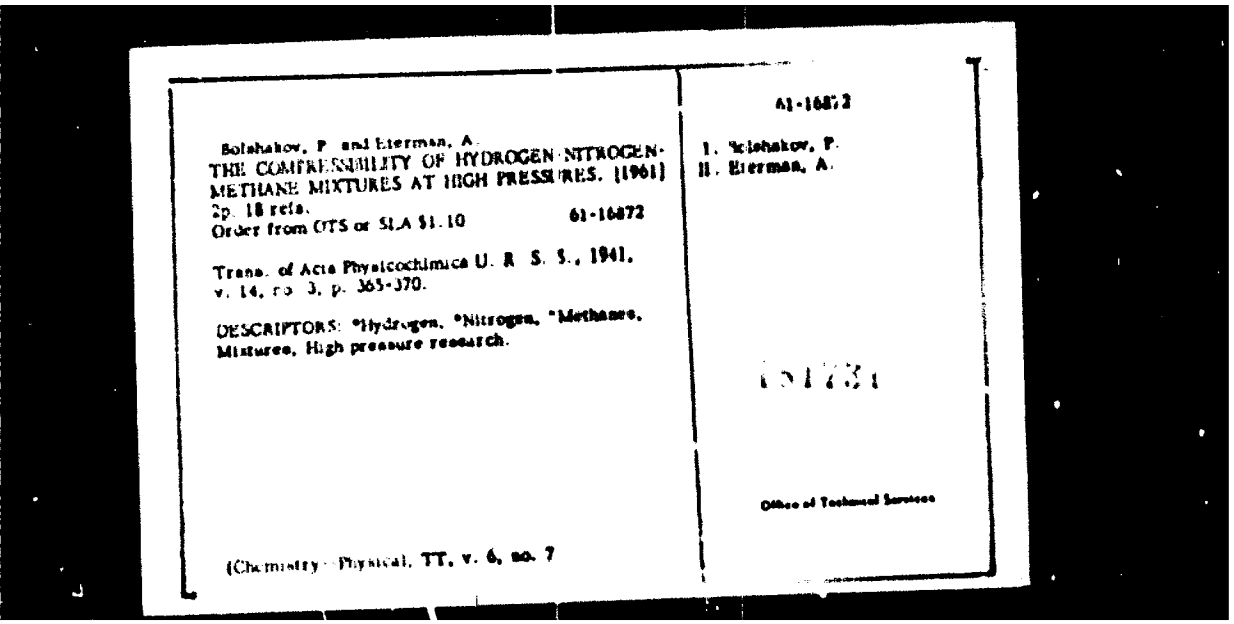

Bolshakov, P. and Eterman, A.
THE COMPRESSIBILITY OF HYDROGEN-NITROGEN-METHANE MIXTURES AT HIGH PRESSURES. [1961]
2p. 18 refs.
Order from OTS or SLA $1.10 61-16872

Trans. of Acta Physicochimica U. R. S. S., 1941, v. 14, no. 3, p. 365-370.

DESCRIPTORS: *Hydrogen, *Nitrogen, *Methanes, Mixtures, High pressure research.

(Chemistry-Physical, TT, v. 6, no. 7

61-16872

1. Bolshakov, P.
II. Eterman, A.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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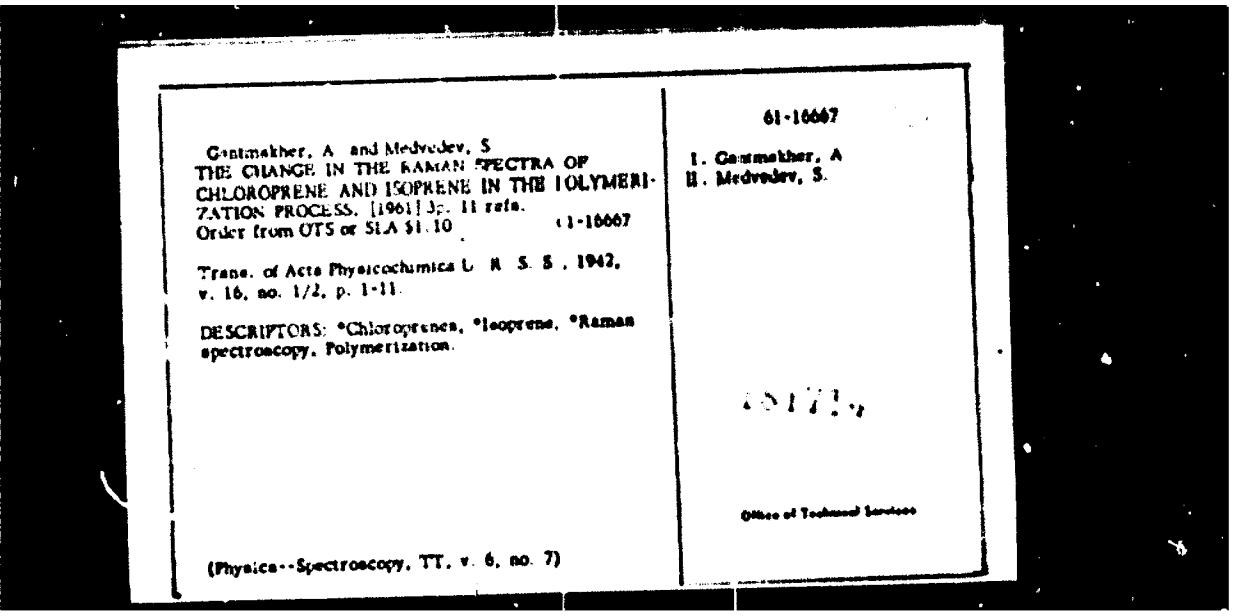

Gantmakher, A and Medvedev, S
THE CHANGE IN THE RAMAN SPECTRA OF CHLOROPRENE AND ISOPRENE IN THE POLYMERIZATION PROCESS. [1961] 3p. 11 refs.
Order from OTS or SLA $1.10 61-16667

Trans. of Acta Physicochimica U. R. S. S., 1942, v. 16, no. 1/2, p. 1-11.

DESCRIPTORS: *Chloroprenes, *Isoprene, *Raman spectroscopy, Polymerization.

(Physics--Spectroscopy, TT, v. 6, no. 7)

61-16667

I. Gantmakher, A
II. Medvedev, S.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Krichevskii, I. and Gamburg, D.
SOLUBILITY OF LIQUIDS IN COMPRESSED GASES: SOLUBILITY OF BENZENE IN COMPRESSED NITROGEN. [1961] 4p. 35 refs.
Order from OTS or SLA $1.10 61-16642

Trans. of Acta Physicochimica U. R. S. S. 1942, v. 16, p. 363-375.

DESCRIPTORS: *Liquids, *Benzenes, Solubility, *Nitrogen, Solvent action, Gases.

The solubility of benzene in compressed nitrogen was studied at temperatures from 35° to 100°C and pressures up to 1100 kg/sq cm. The shape of the solubility curve of the substance in the compressed gas is discussed qualitatively. It was proved experimentally that on the solubility curve of benzene in compressed nitrogen there is not only a minimum, but also a point of inflexion. With increasing pressure, the partial molar volume of benzene dissolved in nitrogen passes through a minimum. (Author)

61-16642

I. Krichevskii, I.
II. Gamburg, D.
III. Title: Solubility...

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Office of Technical Services
(Chemistry--Physical, TT, v. 6, no. 8)

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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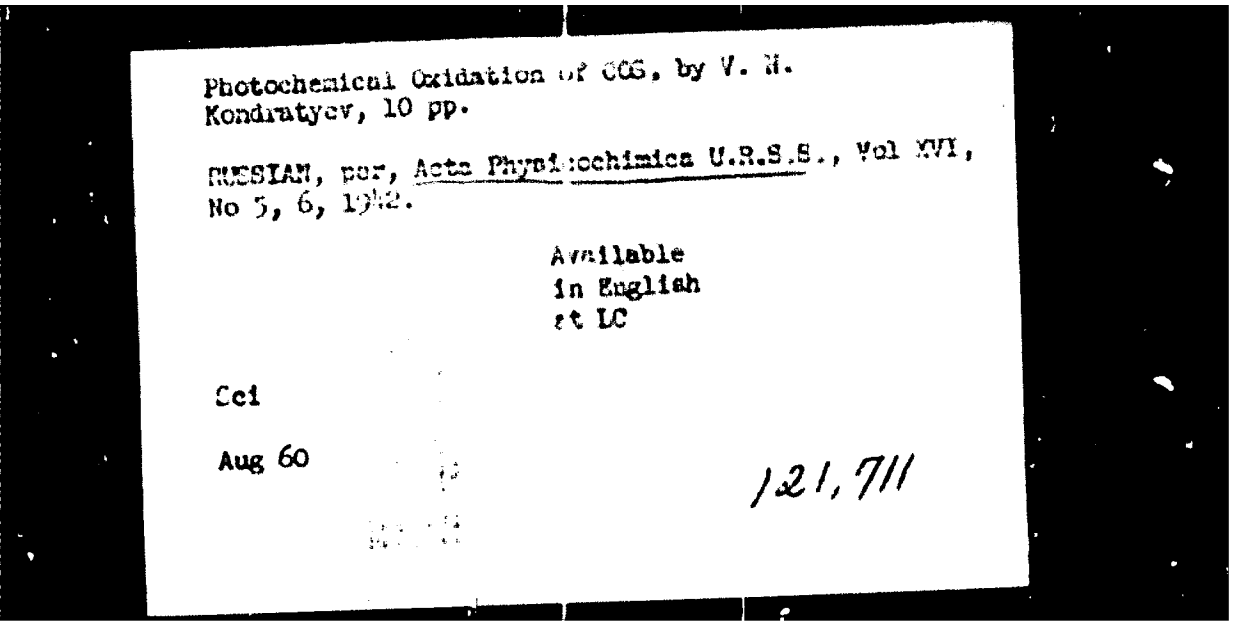

Photochemical Oxidation of CCl4, by V. N. Kondratyev, 10 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol XVI, No 3, 6, 1942.

Available in English at LC

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Aug 60

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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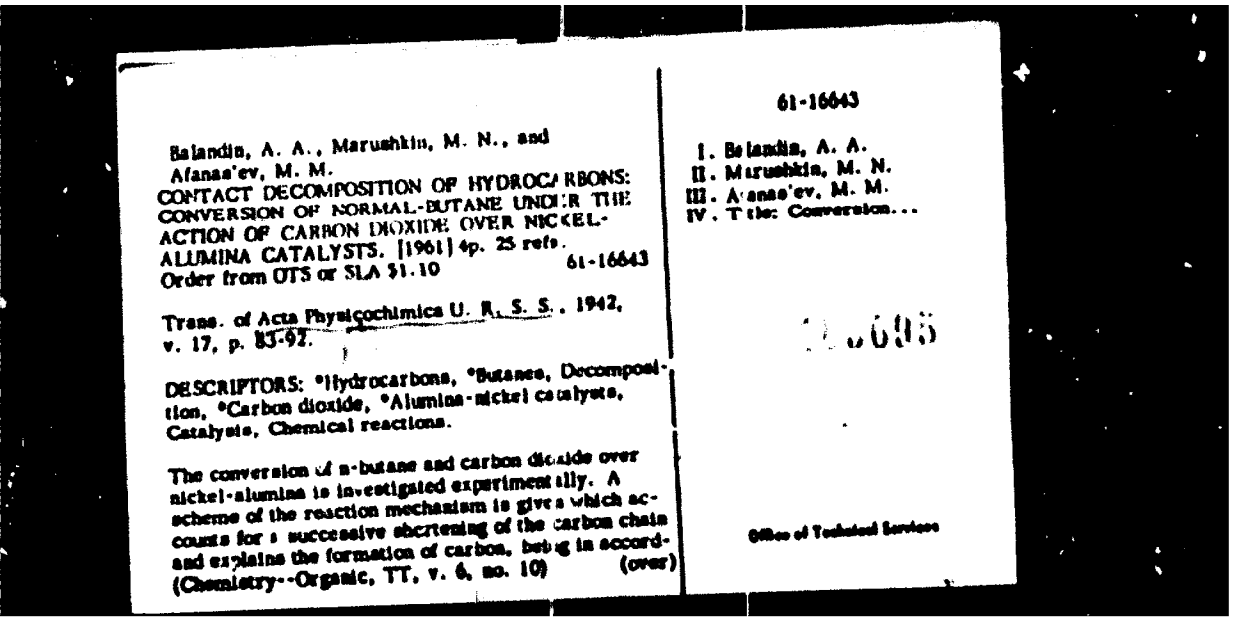

Belandin, A. A., Marushkin, M. N., and Afanas'ev, M. M.
CONTACT DECOMPOSITION OF HYDROCARBONS: CONVERSION OF NORMAL-BUTANE UNDER THE ACTION OF CARBON DIOXIDE OVER NICKEL-ALUMINA CATALYSTS. [1961] 4p. 25 refs.
Order from OTS or SLA $1.10 61-16643

Trans. of Acta Physicochimica U. R. S. S., 1942, v. 17, p. 83-92.

DESCRIPTORS: *Hydrocarbons, *Butanes, Decomposition, *Carbon dioxide, *Alumina-nickel catalysts, Catalysts, Chemical reactions.

The conversion of n-butane and carbon dioxide over nickel-alumina is investigated experimentally. A scheme of the reaction mechanism is given which accounts for a successive shortening of the carbon chain and explains the formation of carbon, being in accord- (over)
(Chemistry--Organic, TT, v. 6, no. 10)

61-16643

I. Belandin, A. A.
II. Marushkin, M. N.
III. Afanas'ev, M. M.
IV. Title: Conversion...

Office of Technical Services

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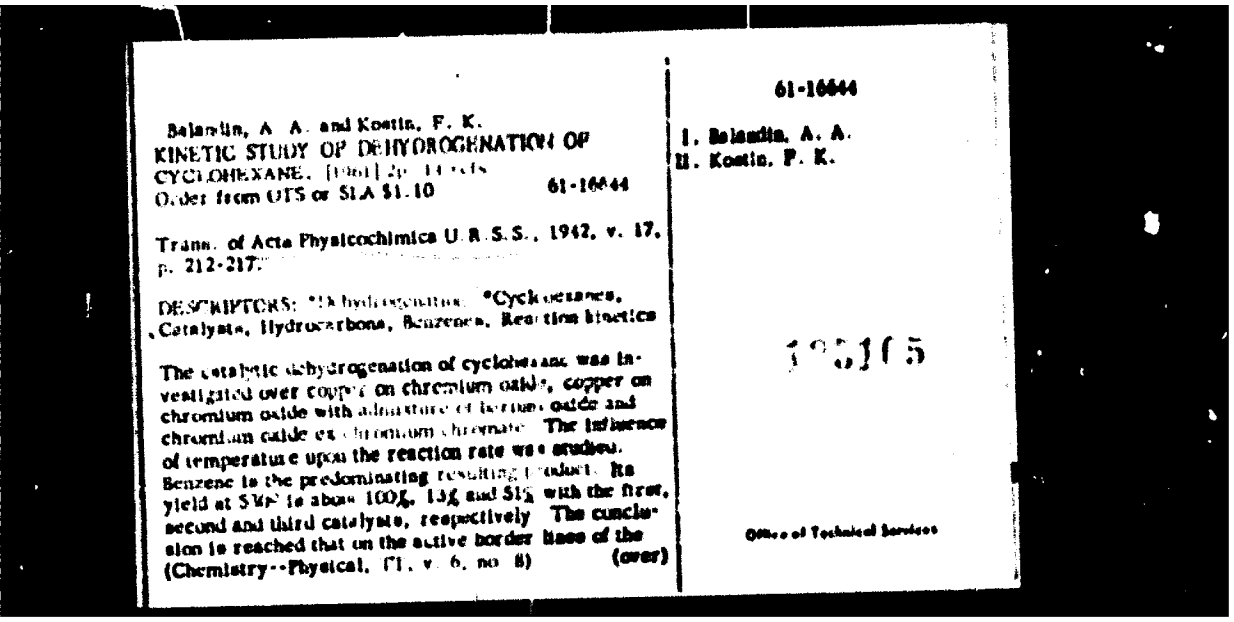

Belavtin, A. A. and Kostin, F. K.
KINETIC STUDY OF DEHYDROGENATION OF CYCLOHEXANE. [Pub] 2p 11 refs
Order from OTS or SLA $1.10 61-16644

Trans. of Acta Physicochimica U.R.S.S., 1942, v. 17, p. 212-217.

DESCRIPTORS: *Dehydrogenation, *Cyclohexanes, Catalysts, Hydrocarbons, Benzenes, Reaction kinetics

The catalytic dehydrogenation of cyclohexane was investigated over copper on chromium oxide, copper on chromium oxide with admixture of ferric oxide and chromium oxide on chromium chromate. The influence of temperature upon the reaction rate was studied. Benzene is the predominating resulting product. Its yield at 5%P is about 100%, 13% and 51% with the first, second and third catalysts, respectively. The conclusion is reached that on the active border lines of the (Chemistry--Physical, Cl, v. 6, no 8) (over)

61-16644

I. Belavtin, A. A.
II. Kostin, F. K.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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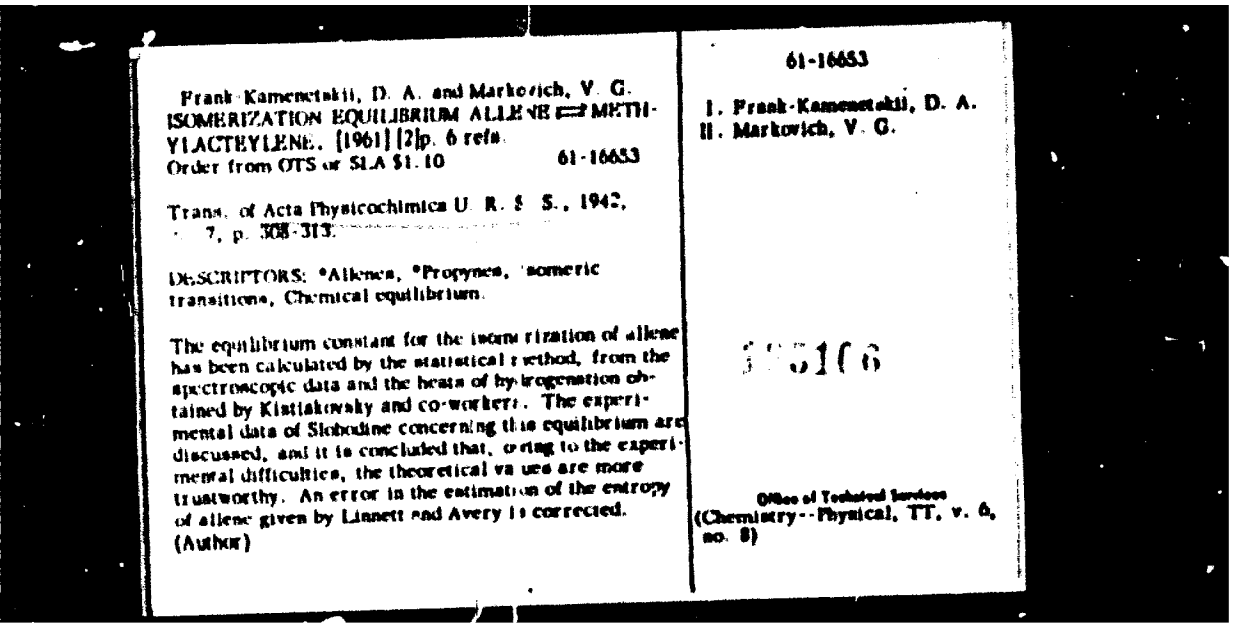

Frank-Kamenetskii, D. A. and Markovich, V. G.
ISOMERIZATION EQUILIBRIUM ALLENE ⇌ METHYLACETYLENE. [1961] [2]p. 6 refs.
Order from OTS or SLA $1.10 61-16653

Trans. of Acta Physicochimica U. R. S. S., 1942, 7, p. 308-313.

DESCRIPTORS: *Allenes, *Propynes, isomeric transitions, Chemical equilibrium.

The equilibrium constant for the isomerization of allene has been calculated by the statistical method, from the spectroscopic data and the heats of hydrogenation obtained by Kistiakowsky and co-workers. The experimental data of Slobodine concerning this equilibrium are discussed, and it is concluded that, owing to the experimental difficulties, the theoretical values are more trustworthy. An error in the estimation of the entropy of allene given by Linnett and Avery is corrected. (Author)

61-16653

I. Frank-Kamenetskii, D. A.
II. Markovich, V. G.

Office of Technical Services
(Chemistry--Physical, TT, v. 6, no. 8)

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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Avramenko, L. I.
HYDROXYL IN FLAMES. II. HYDROXYL IN ACETYLENE FLAME. [1962] 3p. 4 refs.
Order from OTS or SLA $1.10 62-14615

[Condensed] trans. of Acta Physicochimica U. R. S. S., 1943, v. 18, no. 1, p. 58-68.

DESCRIPTORS: *Hydroxides, *Acetylenes, Hydrocarbons, *Flames.

(Chemistry--Physical, TT, v. 8, no. 7)

62-14615

I. Avramenko, L. I.
II. Title: Hydroxyl . .

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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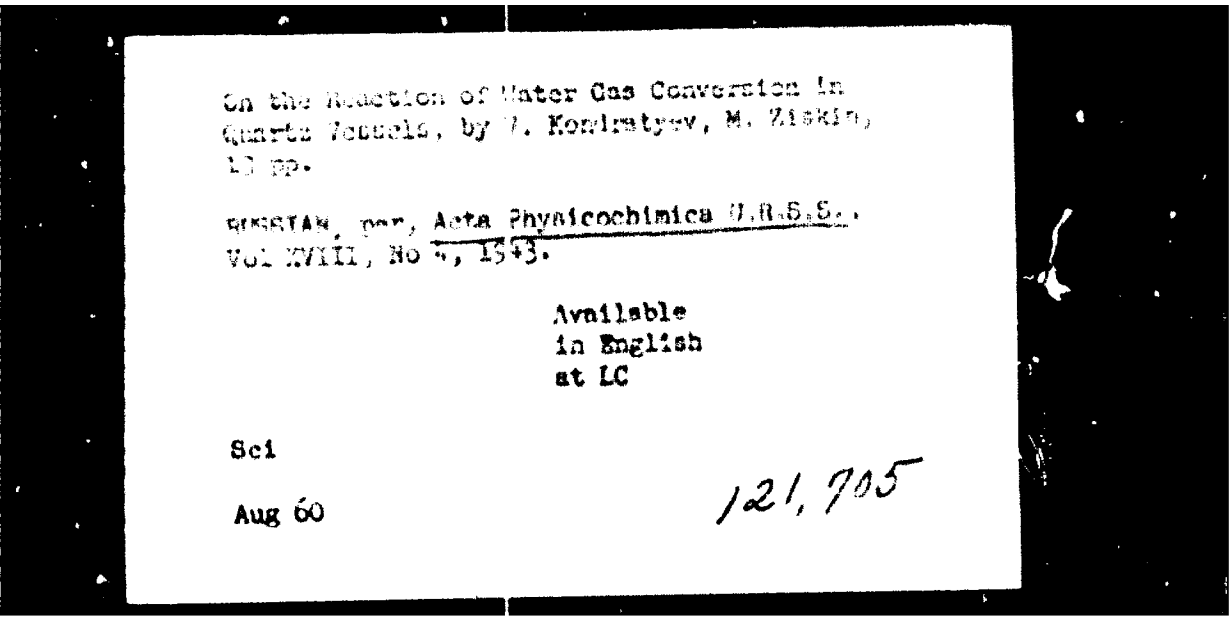

On the Reaction of Water Gas Conversion in Quartz Vessels, by V. Kondratyev, M. Ziskin, 13 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol XVIII, No 4, 1943.

Available in English at LC

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Aug 60

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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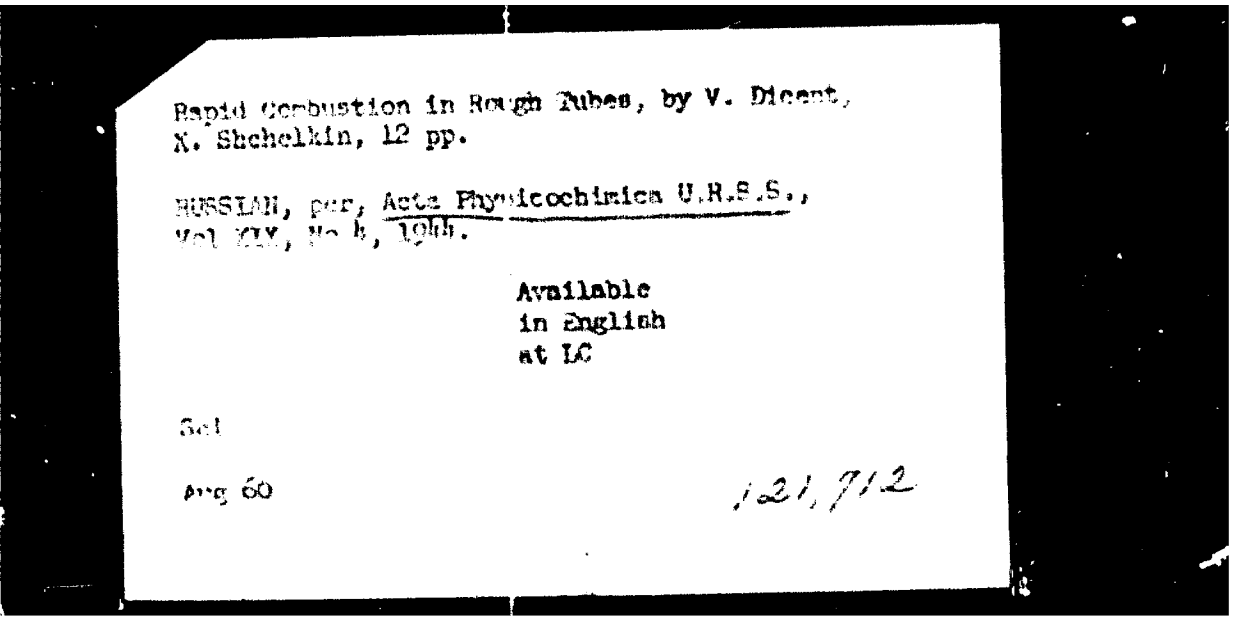

Rapid Combustion in Rough Tubes, by V. Dicent, X. Shchelkin, 12 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol XIV, No 4, 1940.

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at LC

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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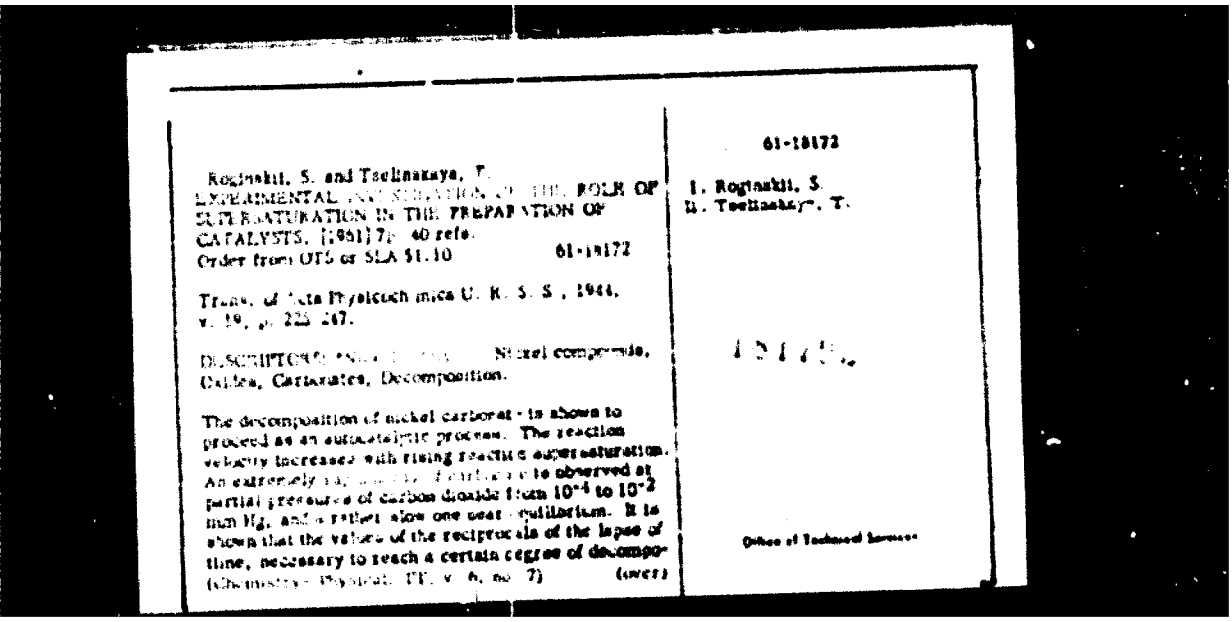


Roginskii, S. and Tsellinskaya, T.
EXPERIMENTAL INVESTIGATION OF THE ROLE OF SUPERSATURATION IN THE PREPARATION OF CATALYSTS. [1951] 7p 40 refs.
Order from OTS or SLA $1.10 61-18172

Trans. of Acta Physicochimica U. R. S. S., 1944, v. 19, p. 225-247.

DESCRIPTORS: Nickel compounds, Oxides, Carbonates, Decomposition.

The decomposition of nickel carbonate is shown to proceed as an autocatalytic process. The reaction velocity increases with rising reaction supersaturation. An extremely [illegible] is observed at partial pressures of carbon dioxide from 10^{-4} to 10^{-2} mm Hg, and a rather slow one near equilibrium. It is shown that the values of the reciprocals of the lapse of time, necessary to reach a certain degree of decompo- (Chemistry - Physical, TT: v. 6, no. 7) (over)

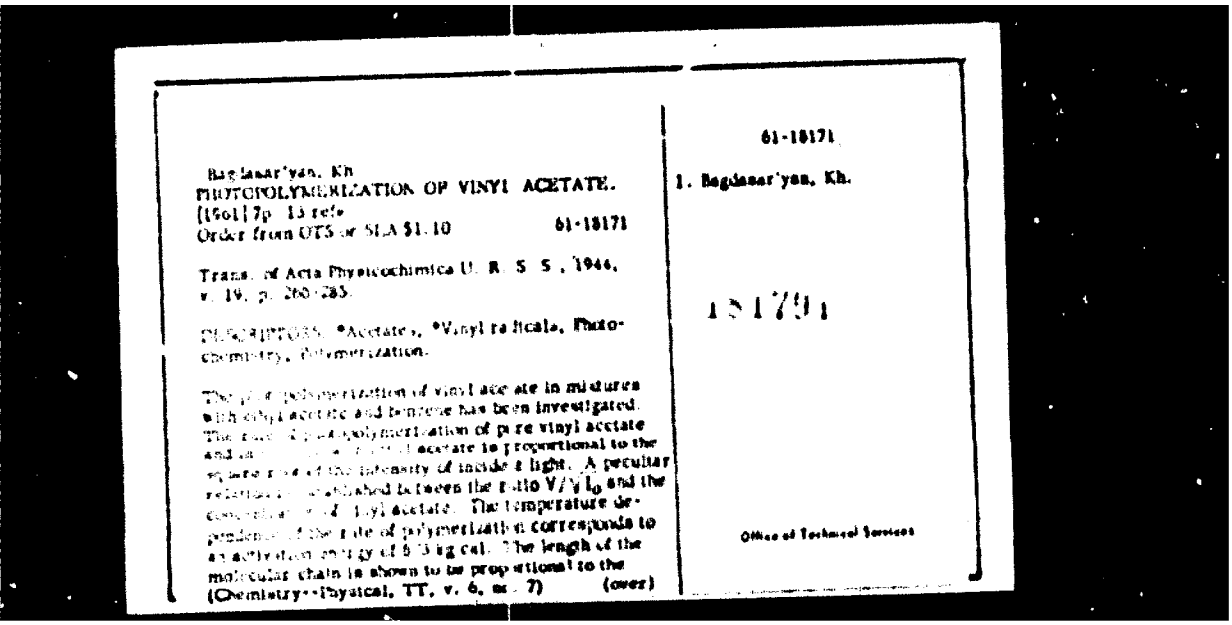
61-18172

1. Roginskii, S.
2. Tsellinskaya, T.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Baglasar'yan, Kh
PHOTOPOLYMERIZATION OF VINYL ACETATE.
[1961] 7p 13 refs
Order from OTS or SLA $1.10 61-18171

Trans. of Acta Physicochimica U. R. S. S., 1946, v. 19, p. 268-285.

DESCRIPTORS: *Acetates, *Vinyl radicals, Photochemistry, Polymerization.

The photopolymerization of vinyl acetate in mixtures with vinyl acetate and benzene has been investigated. The rate of photopolymerization of pure vinyl acetate and [illegible] vinyl acetate is proportional to the square root of the intensity of incident light. A peculiar relation is established between the ratio $V/\sqrt{I_0}$ and the concentration of vinyl acetate. The temperature dependence of the rate of polymerization corresponds to an activation energy of 6.3 kg cal. The length of the molecular chain is shown to be proportional to the (Chemistry--Physical, TT, v. 6, no. 7) (over)

61-18171

1. Baglasar'yan, Kh.

18171

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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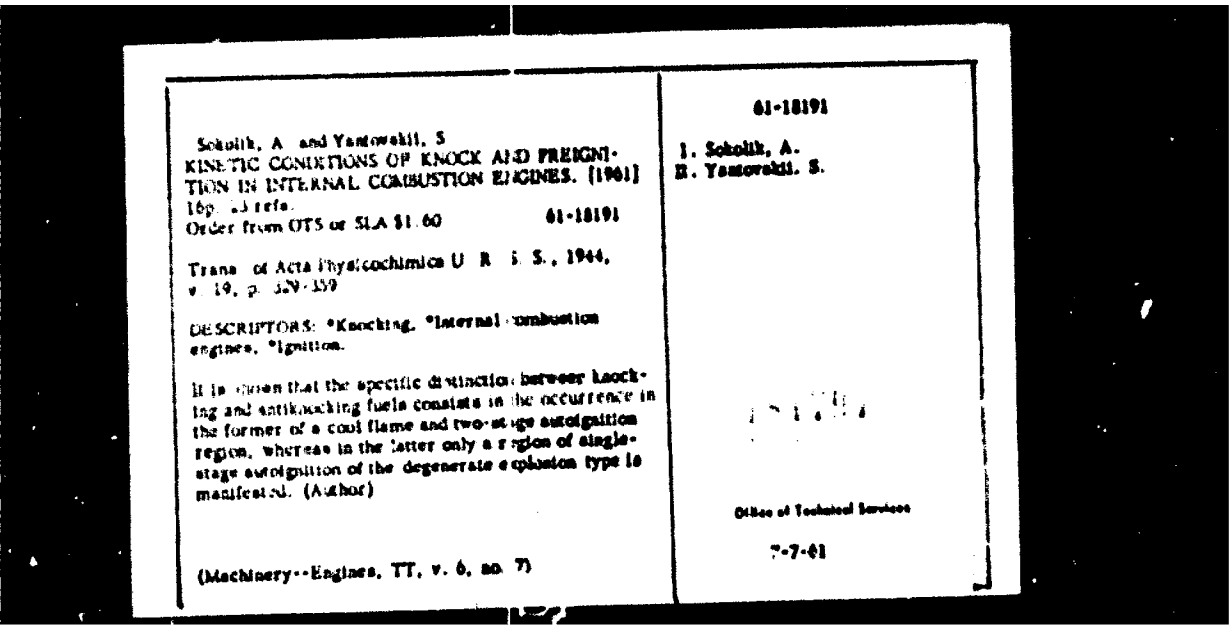


Scholik, A and Yantovskii, S
KINETIC CONDITIONS OF KNOCK AND PREIGNITION IN INTERNAL COMBUSTION ENGINES. [1961]
16p. 3 refs.
Order from OTS or SLA $1.60 61-18191

Trans. of Acta Physicochimica U. R. S. S., 1944, v. 19, p. 339-359

DESCRIPTORS: *Knocking, *Internal combustion engines, *Ignition.

It is shown that the specific distinction between knocking and antiknocking fuels consists in the occurrence in the former of a cool flame and two-stage autoignition region, whereas in the latter only a region of single-stage autoignition of the degenerate explosion type is manifested. (Author)

(Machinery--Engines, TT, v. 6, no. 7)

61-18191

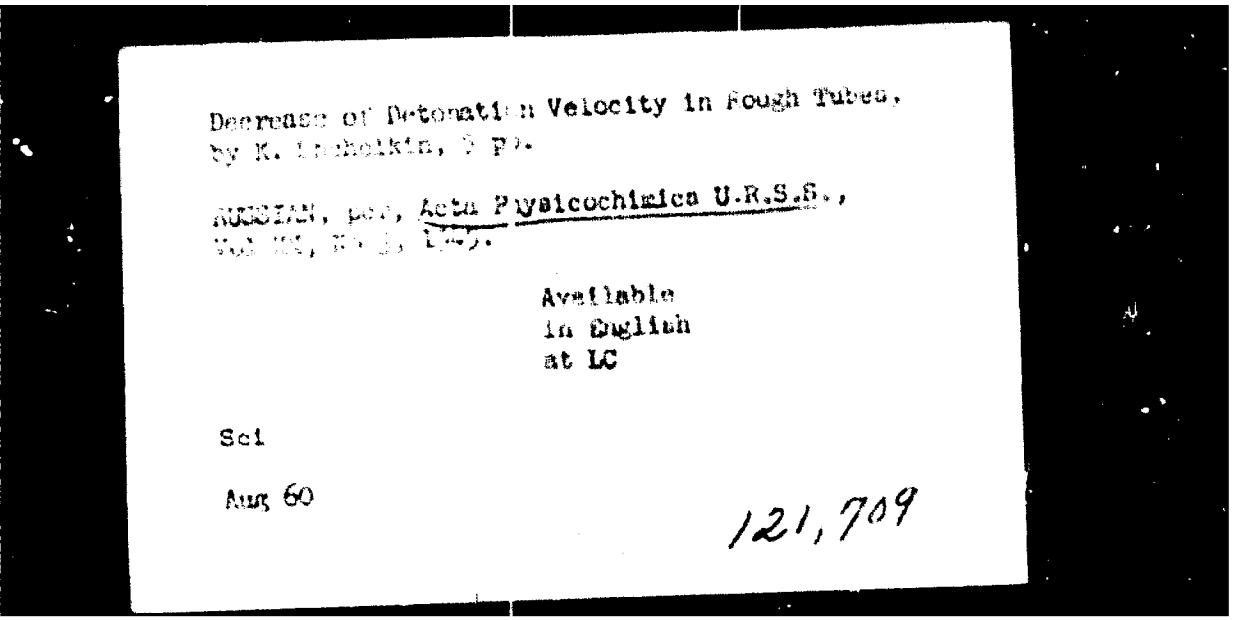
1. Scholik, A.
2. Yantovskii, S.

Office of Technical Services

7-7-61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Decrease of Detonation Velocity in Rough Tubes.
By K. Shchelkin, 3 p.

RUSSIAN, per., Acta Physicochimica U.R.S.S.,
Vol. XX, No. 3, 1945.

Available
in English
at LC

Sci

Aug 60

121,709

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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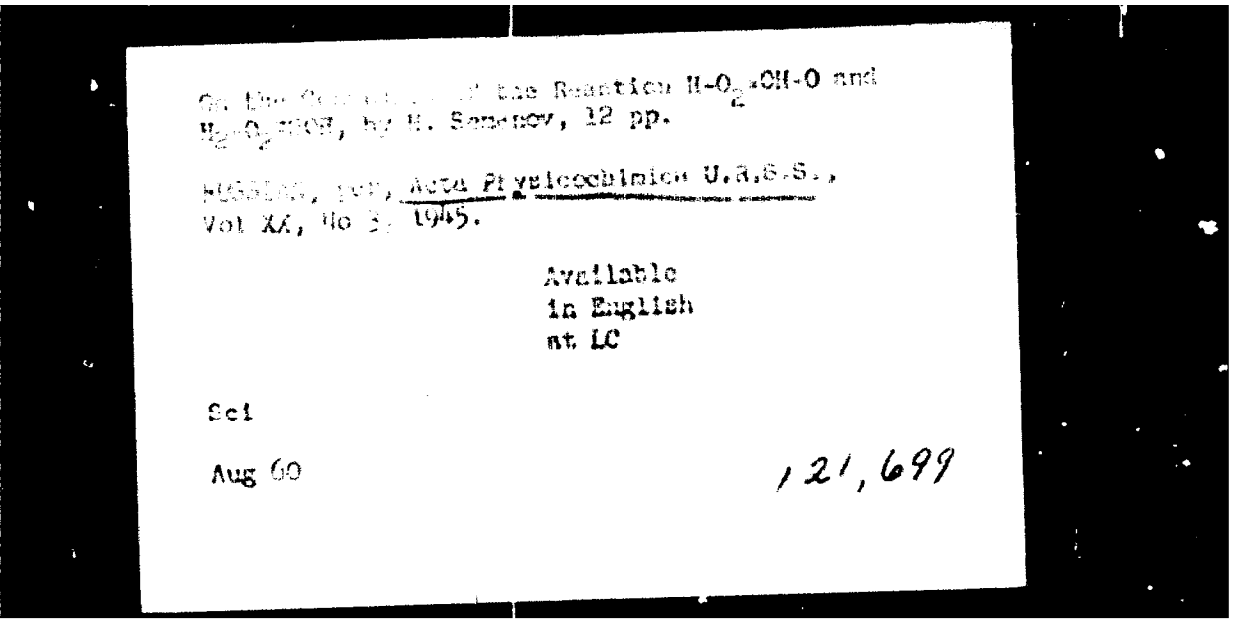

On the Question of the Reaction $H-O_2-OH-O$ and H_2-O_2 [illegible], by N. Semenov, 12 pp.

[illegible], 1945, Acta Physicochimica U.R.S.S., Vol XX, No 3, 1945.

Available in English at LC

Sci

Aug 60

121,699

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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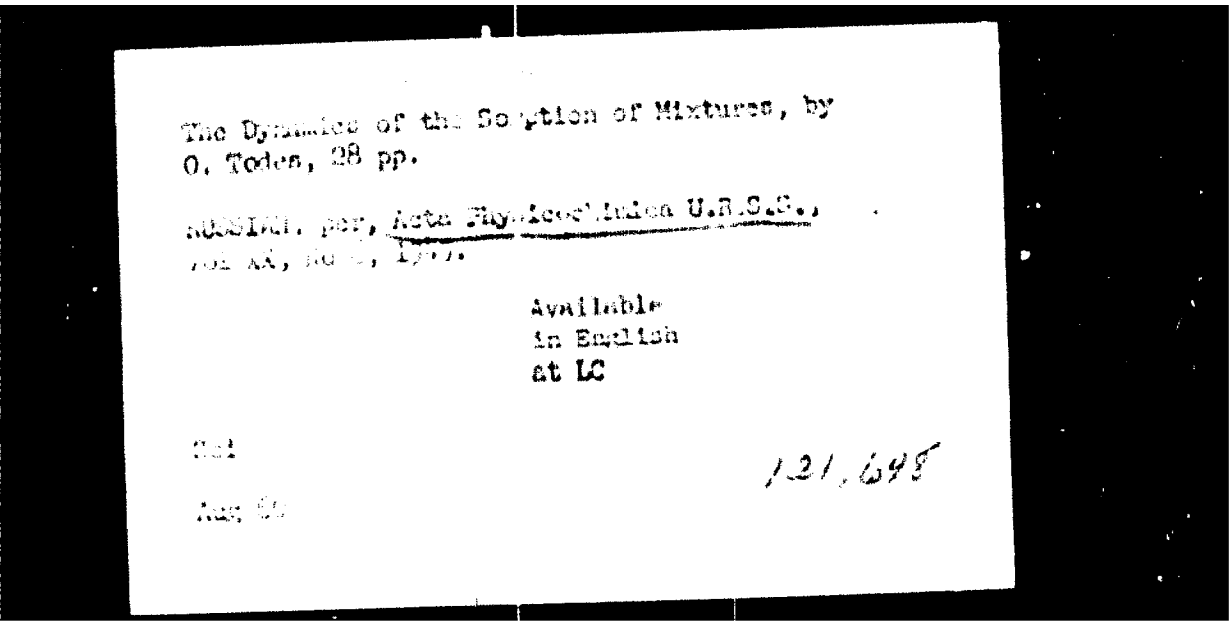


The Dynamics of the Solution of Mixtures, by
O. Todes, 28 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S.,
Vol XX, No 1, 1945.

Available
in English
at LC

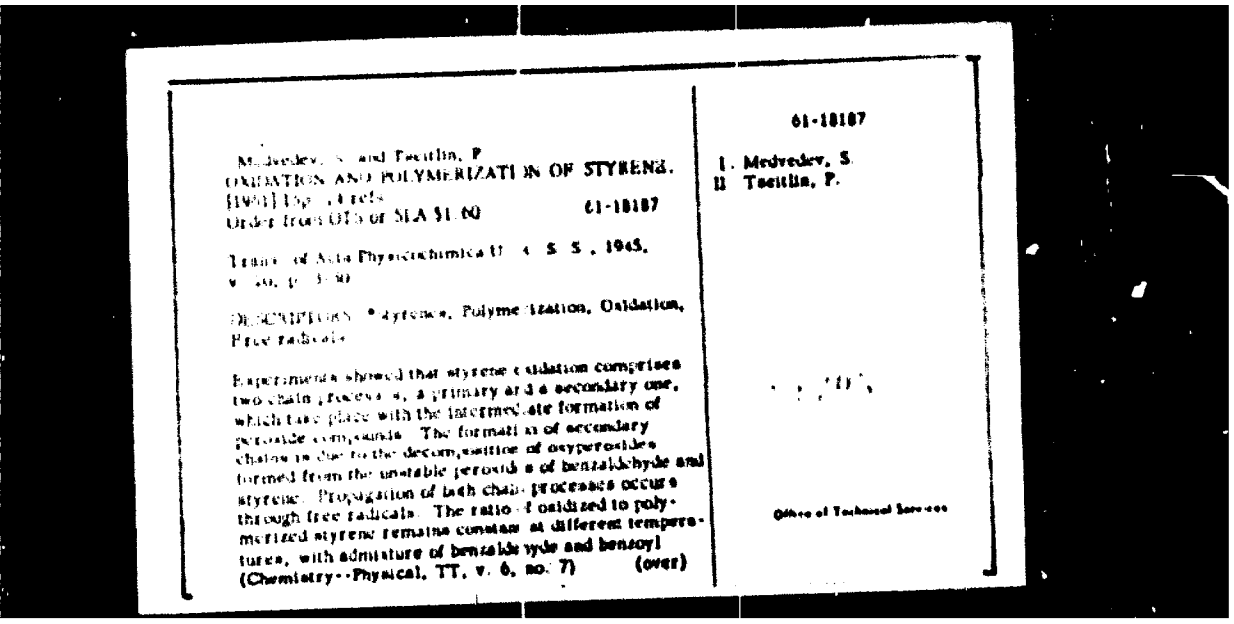
Tod

Aug 52

121,695

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Medvedev, S. and Tsetlin, P.
OXIDATION AND POLYMERIZATION OF STYRENE.
[1945] 15p. 4 refs.
Order from OTS or SLA $1.50 61-18187

Transl. of Acta Physicochimica U.R.S.S., 1945, v. 20, p. 3-30

DESCRIPTORS: *Styrenes, Polymerization, Oxidation, Free radicals

Experiments showed that styrene oxidation comprises two chain reactions, a primary and a secondary one, which take place with the intermediate formation of peroxide compounds. The formation of secondary chains is due to the decomposition of oxyperoxides formed from the unstable peroxides of benzaldehyde and styrene. Propagation of both chain processes occurs through free radicals. The ratio of oxidized to polymerized styrene remains constant at different temperatures, with admixture of benzaldehyde and benzoyl (over)
(Chemistry--Physical, TT, v. 6, no. 7)

61-18187

I. Medvedev, S.
II Tsetlin, P.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Shekhter, A., Roginskii, S., and Isaev, B.
ELECTRON-MICROSCOPICAL INVESTIGATION OF CATALYSTS. I. ASBESTOS AS A CARRIER. [1961] 7p. 6 refs.
Order from OTS or SLA $1.10 61-18334

Trans. of Acta Physicochimica U. R. S. S., 1945, v. 20, p. 117-126 (also pub. in Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk. Izvestiya, 1945, p. 322-328).

DESCRIPTORS: *Catalysts, *Electron microscopy, *Asbestos fibers, Fibers.

The electron-microscopical method was applied to a study of carrier catalysts, in particular to oxide and metal contacts deposited on asbestos. The effect of heating on the structure of chrysotile and anthophyllite asbestos was studied and destruction of fibers, be- (Chemistry--Physical, TT, v. 7, no. 6) (over)

61-18334

I. Shekhter, A.
II. Roginskii, S.
III. Isaev, B.
IV. Title: Asbestos ...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Bol'shakov, P.
PARTIAL MOLAL VOLUMES, FUGACITY AND ACTIVITY COEFFICIENTS OF NITROGEN AND HYDROGEN IN THEIR MIXTURES AT HIGH PRESSURES. [1961] Sp. & refs.
Order from OTS or SLA $1.10 61-18353

Trans. of Acta Physicochimica U. R. S. S. 1945, v. 20, p. 259-267.

DESCRIPTORS: *Nitrogen, *Hydrogen, Mixtures, Gases, High pressure research, *Activity coefficient.

The partial molal volumes of hydrogen and nitrogen in their mixtures at temperatures ranging from zero to 200°C and pressures up to 1000 atm were calculated from P - V - T data. The rule of Lewis and Randall was found to hold fairly well for the fugacities of hydrogen (nitrogen) upwards of 200° C. (Author)
(Chemistry--Physical, TT, v. 7, no. 7)

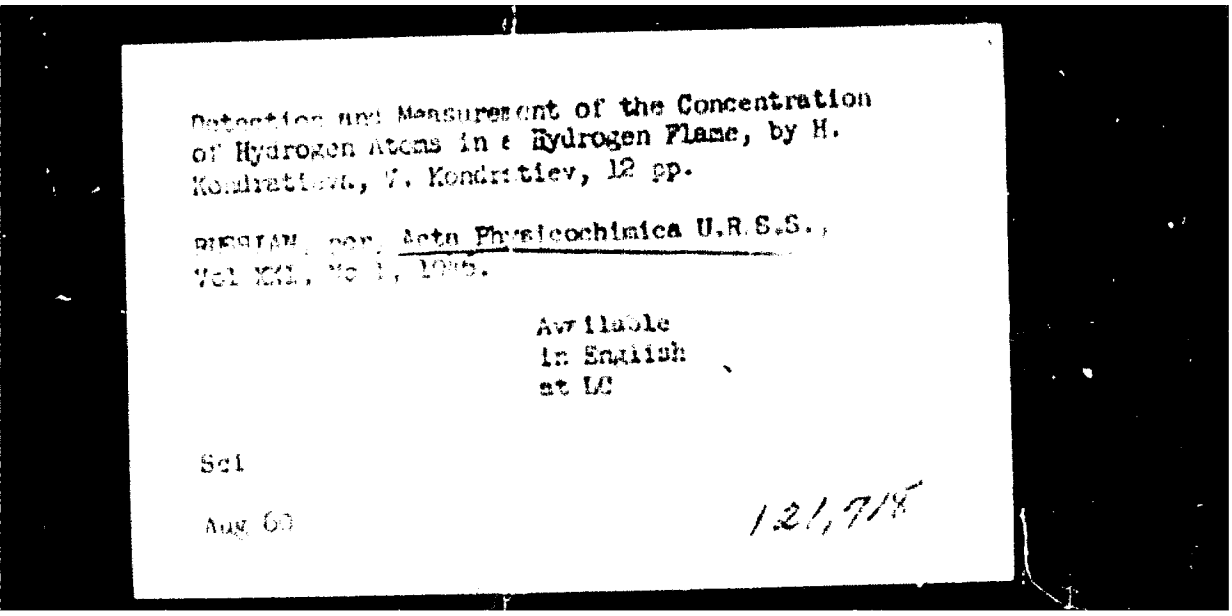
61-18353

1. Bol'shakov, P.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Detection and Measurement of the Concentration of Hydrogen Atoms in a Hydrogen Flame, by N. Kondratiev, V. Kondratiev, 12 pp.

RUSSIAN, per: Acta Physicochimica U.R.S.S., Vol XXI, No 1, 1946.

Available
in English
at LC

Sci

Aug 63

121,718

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA USSS Vol XXI, No 3 May/Jun 1946

16 pp

"Adsorptive Properties and Structure of Adsorbents. I. Limiting Adsorption from Solutions and Activated Charcoal"

A. Kisselev, K. Shcherbakova

Proj 2094

48T94

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA URSS Vol XXI, No 3 May/Jun 1946

8 pp

"An Electron Microscopic Investigation of Smoke Deposits"

A. Shekhter, S. Roginsky, S. Sakharova

In English available at
Lib of Congress
Sci Museum Lib 50/1896
Proj 2015 48T95
D-3-117

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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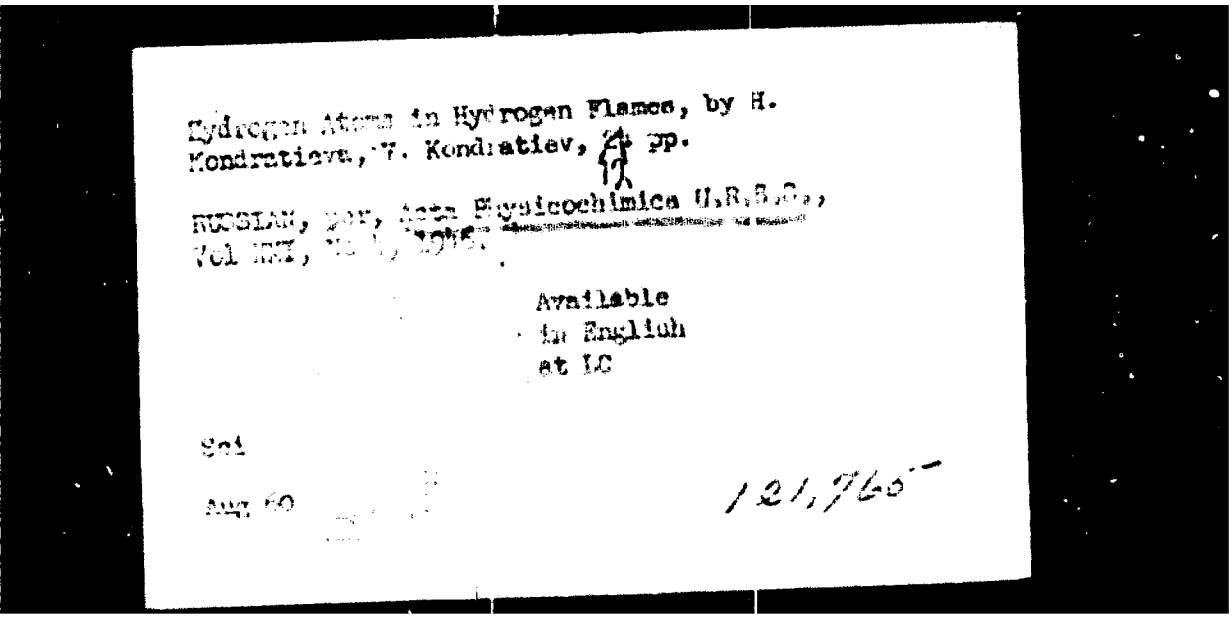

Hydrogen Atoms in Hydrogen Flames, by N. Kondratieva, V. Kondratiev, 4 pp.

RUSSIAN, [illegible], Acta Physicochimica U.R.S.S., Vol XXI, [illegible], 1946.

Available in English at LC

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Aug 49

121,765

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Rubinshtein, A. and Pribytkova, N.
THE ROLE OF PRIMARY SUBMICROSCOPIC CRYSTALS IN HETEROGENEOUS CATALYSIS. [1961]
[8]p 23 refs.
Order from OTS or SLA $1.10 61-20156

Reprint of Acta Physicochimica U. R. S. S., 1946, v. 21, p. 79-100.

DESCRIPTORS: Crystals, *Catalysis, Deformation, Lattices, Catalysts, Reaction kinetics, Butanols, Chemical equilibrium, Thermochemistry

(Unannounced)

61-20156

I. Rubinshtein, A.
II. Pribytkova, N.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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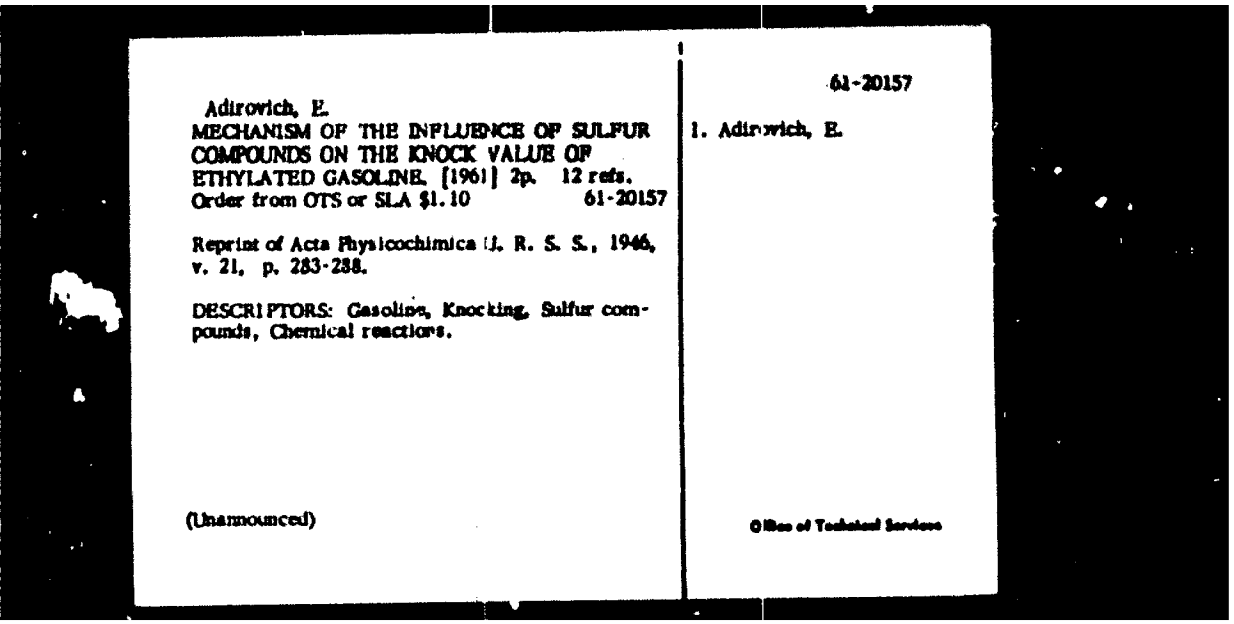


Adirovich, E.
MECHANISM OF THE INFLUENCE OF SULFUR COMPOUNDS ON THE KNOCK VALUE OF ETHYLATED GASOLINE. [1961] 2p. 12 refs.
Order from OTS or SLA $1.10 61-20157

Reprint of Acta Physicochimica U. R. S. S., 1946, v. 21, p. 283-288.

DESCRIPTORS: Gasoline, Knocking, Sulfur compounds, Chemical reactions.

(Unannounced)

61-20157

1. Adirovich, E.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

Kravchenko, V.
THE EUTECTICS AND SOLID SOLUTIONS OF PARAFFINS. [1961] [4]p. 19 refs.
Order from OTS or SLA $1.10 61-20158

Reprint from Acta Physicochimica U. R. S. S. 1946, v. 21, p. 335-344.

DESCRIPTORS: Solutions, Eutectics, Molecular structure, Petroleum, Chemical analysis, Methanes

(Unannounced)

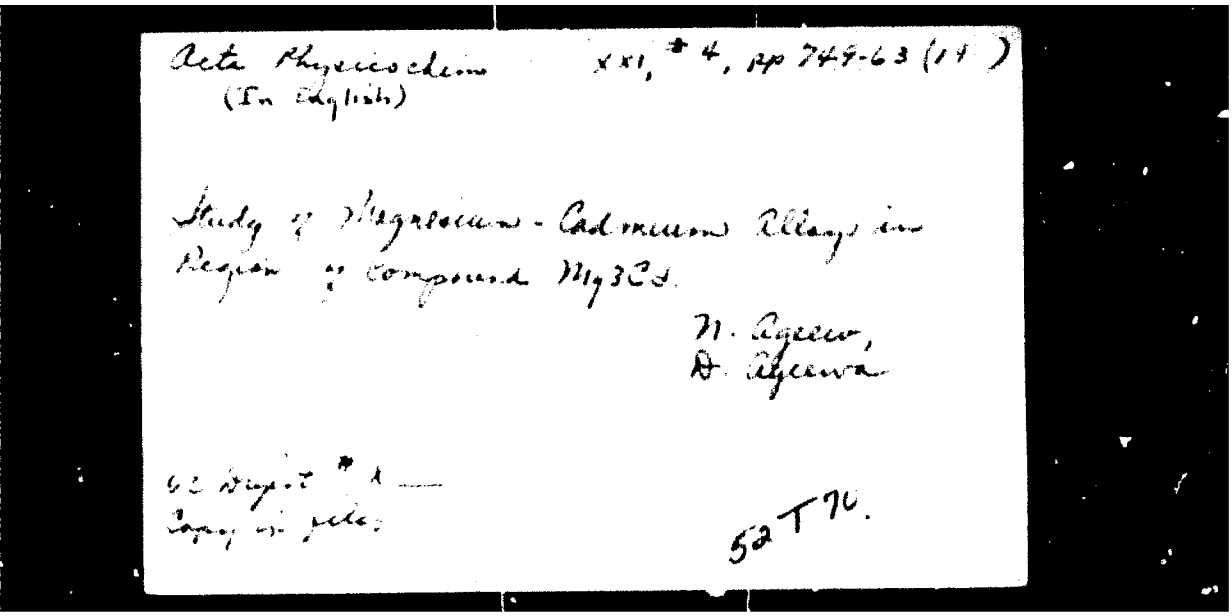
61-20158

1. Kravchenko, V.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4



Acta Physicochim. XXI, # 4, pp 747-63 (1946)
(In English)

Study of Magnesium - Cadmium Alloys in Region of Compound Mg_3Cd.

M. Ageew,
A. Agueeva

52 T 70.

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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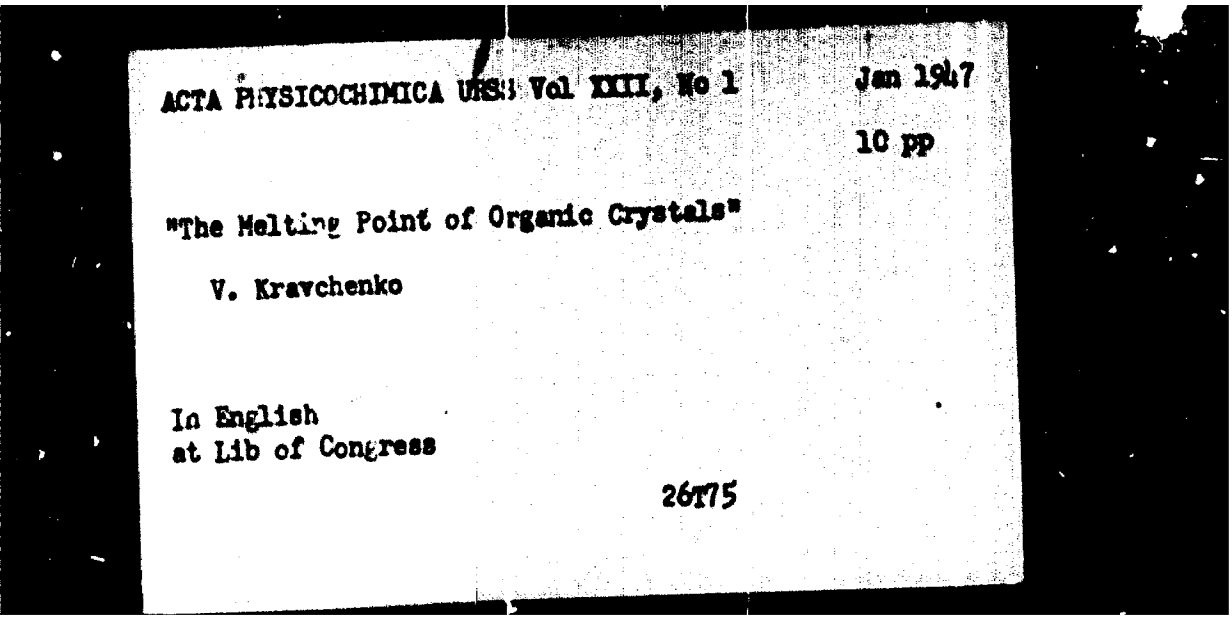

ACTA PHYSICOCHIMICA URSS Vol XXII, No 1 Jan 1947

10 pp

"The Melting Point of Organic Crystals"

V. Kravchenko

In English
at Lib of Congress

26775

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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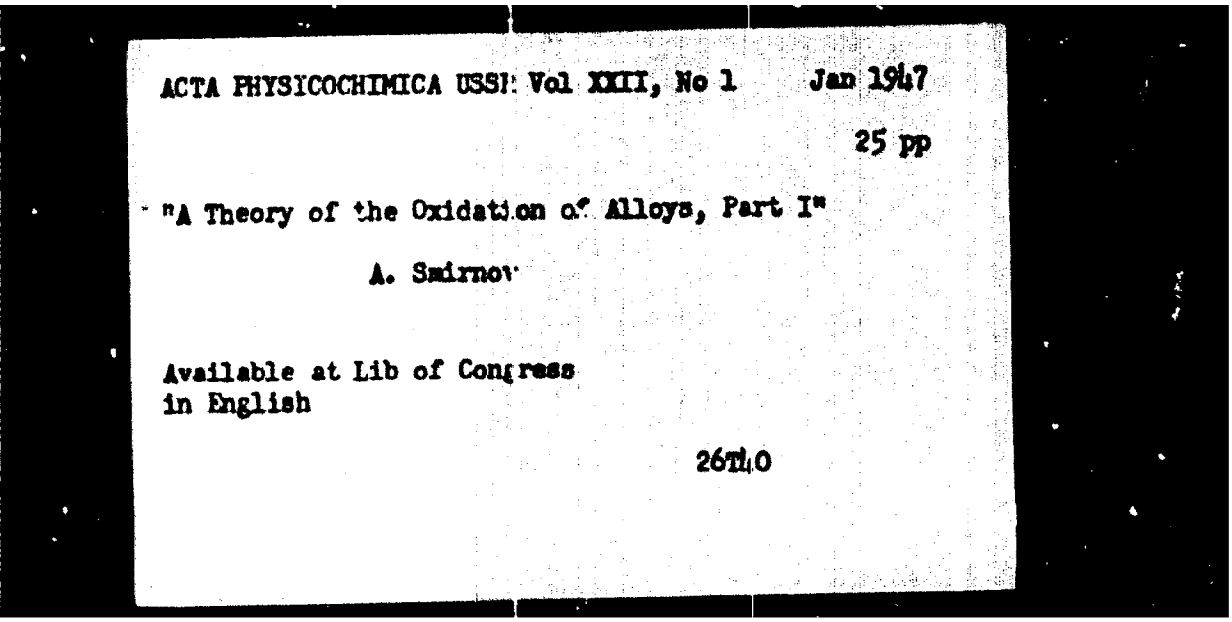

ACTA PHYSICOCHIMICA USSR Vol XXII, No 1 Jan 1947

25 pp

"A Theory of the Oxidation of Alloys, Part I"

A. Smirnov

Available at Lib of Congress
in English

26T40

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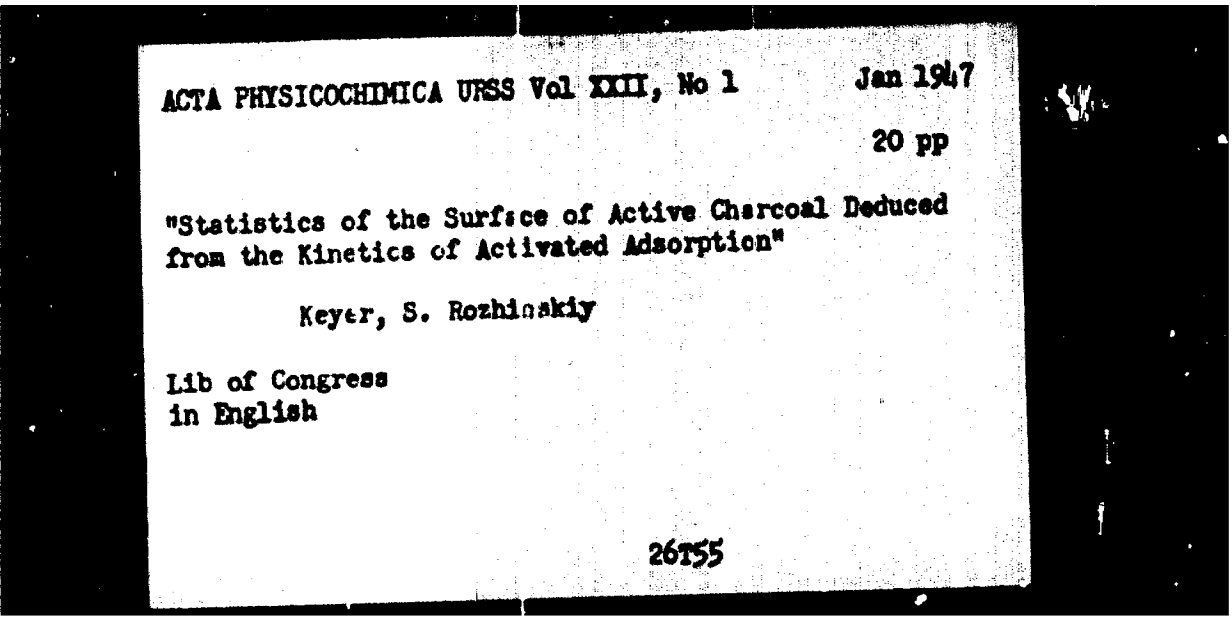

ACTA PHYSICOCHIMICA URSS Vol XXII, No 1 Jan 1947

20 pp

"Statistics of the Surface of Active Charcoal Deduced from the Kinetics of Activated Adsorption"

Keyer, S. Rozhinskiy

Lib of Congress
in English

26T55

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ACTA PHYSICOCHIMICA URSS Vol XXII, No 1 Jan 1947

11 pp

"The Effect of Surface-Active Substances on the Evaporation of Water Drops in the Spheroidal State, Part II"

N. Pleteneva, P. Rehbinder

In English
Available Lib of Congress

26T56

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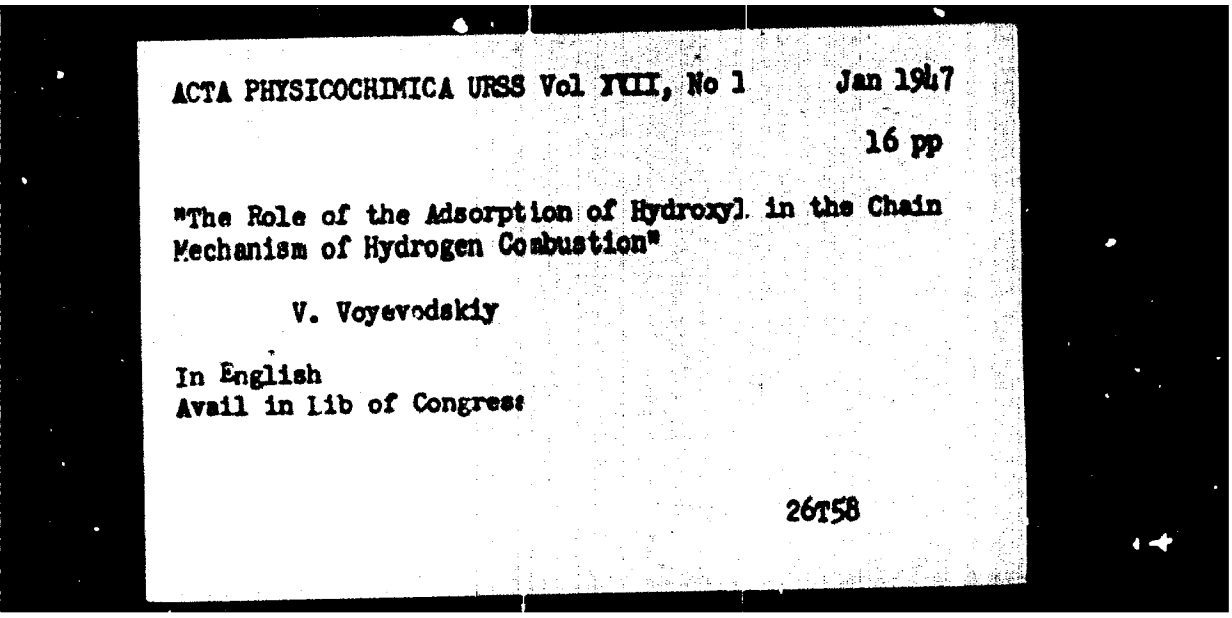

ACTA PHYSICOCHIMICA URSS Vol XVIII, No 1 Jan 1947

16 pp

"The Role of the Adsorption of Hydroxyl in the Chain Mechanism of Hydrogen Combustion"

V. Voyevodskiy

In English
Avail in Lib of Congress

26T58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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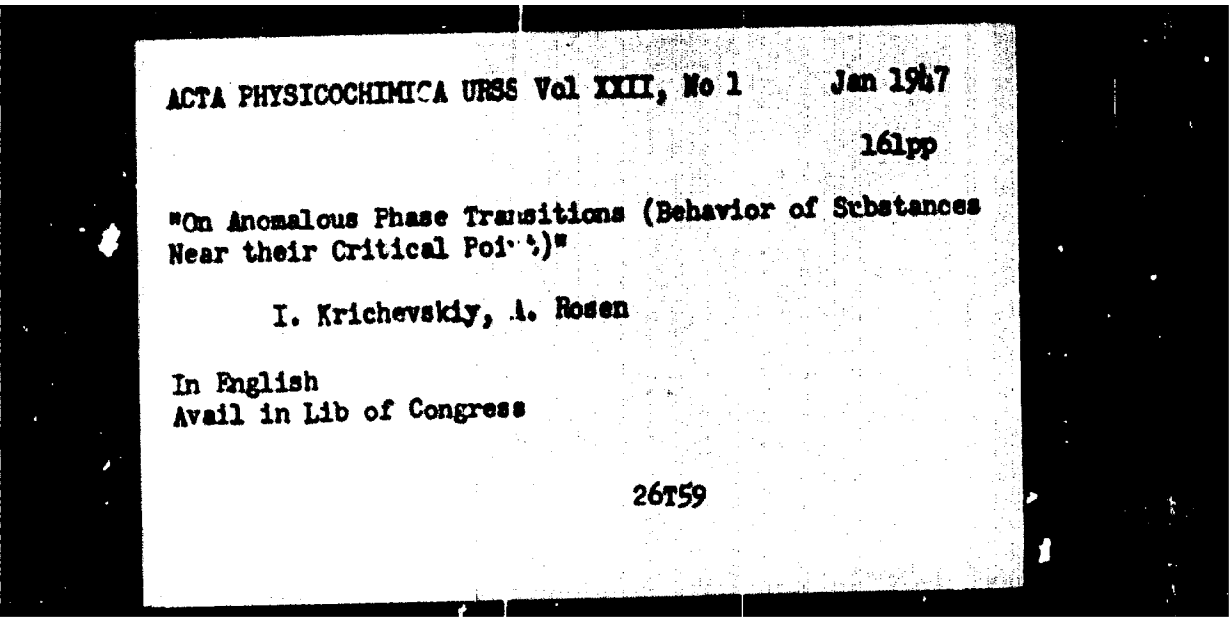

ACTA PHYSICOCHIMICA URSS Vol XXII, No 1 Jan 1947

161pp

"On Anomalous Phase Transitions (Behavior of Substances Near their Critical Poi··t)"

I. Krichevskiy, A. Rosen

In English
Avail in Lib of Congress

26T59

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA URSS: Vol XXII, No 1 Jan 1947

16 pp

"Absorption of Gas from an Air Current by Granular Material, Part II"

A. Tikhonov, A. Schuchowitsky

In English
Avail Lib of Congress

26T60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA URSS Vol XXII, No 1 Jan 1947

16 pp

"Solvation of Nonelectrolytes and the Compressibility of their Solutions"

A. Passynskiy

In English
Avail Lib of Congress

26761

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSIOCOCHIMICA URSS Vol XXII, No 1 Jan 1947

20 pp

"Kinetics of Hydrogeration and of Related Reactions: Part II, Kinetics of Hydrogenation with Nickel, Platinum, and Copper"

A. Balandin

Available at Lib of Congress
Proj 1563
D-3-89
In English

26T2

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA Vol XXII, No 1 Jan 1947

20 pp

"Kinetics of Hydrogeration and of Related Reactions: Part I, The Mechanism of Hydrogenation, Dehydrogenation, and Deuterium Exchange"

Q. Baladin

Available at Lib of Congress
In English

26T3

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA URSS Vol XXII, No 1 Jan 1947

17 pp

"The Formation of Nitric Oxide During Combustion and Explosions: Part II, Influence of Vessel Size and Combustion Rate"

D. Frank-Kamenetzkiy

Available at Lib of Congress
in English

26T4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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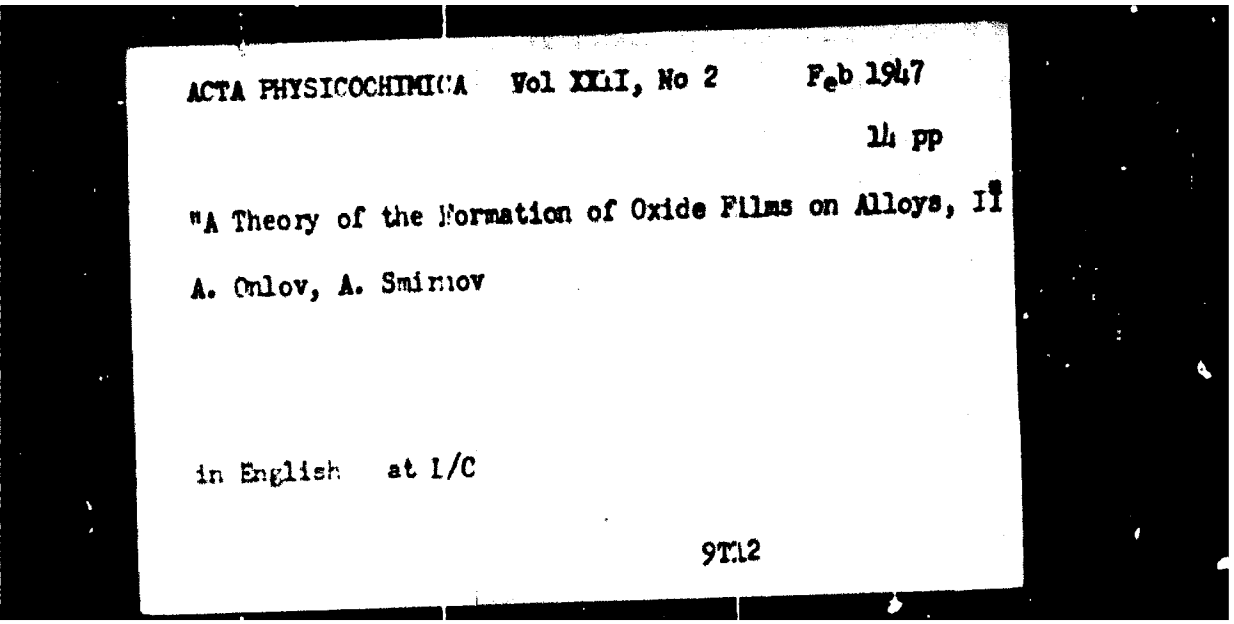

ACTA PHYSICOCHIMICA Vol XXI, No 2 Feb 1947

14 pp

"A Theory of the Formation of Oxide Films on Alloys, II

A. Onlov, A. Smirnov

in English at I/C

9T12

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA VOL XXII, No 2 Feb 1947

26 pp

"Photoconductivity of Thin Layers of Dye in the Solid State"

A. Vartanian

in English at L/C

9T13

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA BOL XXII, No 2 Feb 1947

12 pp

"The Influence of Adsorption on the Surface Motion of Mercury Drops"

T. Kryukova

in English at L/C

9T14

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA. VOL XXII, No 2 Feb 1947

18 pp

"On Heterogeneous Ionic Catalysis"

V. Goldanskiy, N. Chirkov

In English at L/C

9T15

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA VOL XXII, No 2 Feb 1947

6 pp

"On the Detonation Mechanism of Liquid Explosives: An Estimate of the Heating of Liquid Nitric Esters in a Shock Wave"

S. Ritner

in English at L/C

9T16

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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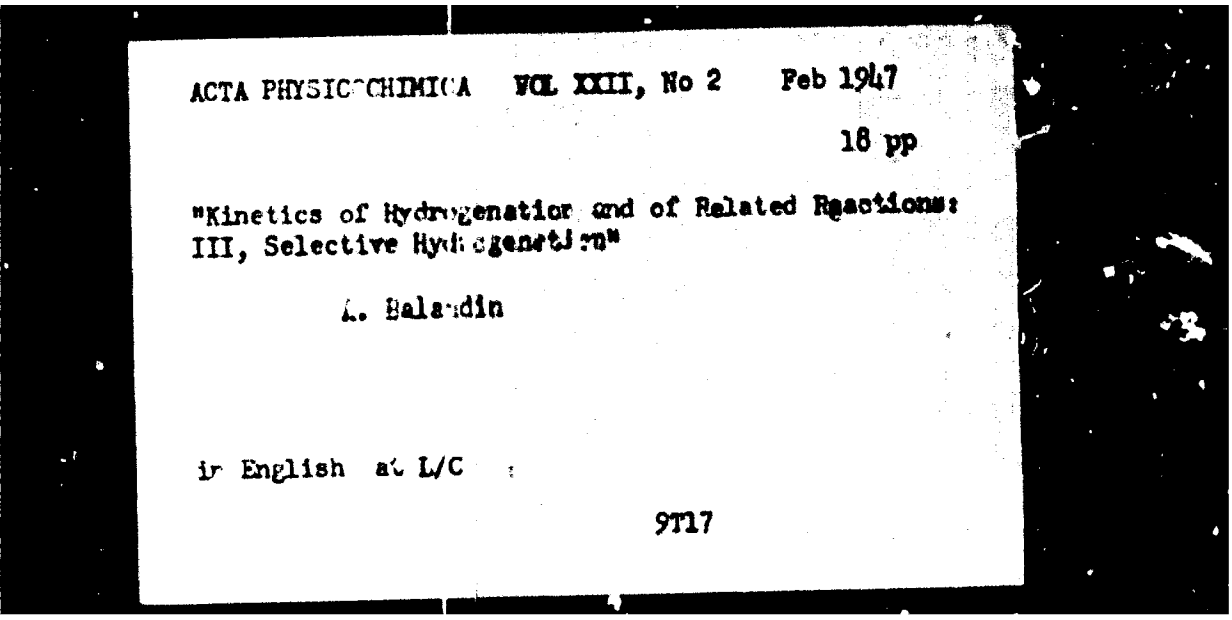

ACTA PHYSICOCHIMICA VOL XXII, No 2 Feb 1947

18 pp

"Kinetics of Hydrogenation and of Related Reactions: III, Selective Hydrogenation"

L. Balandin

in English at L/C

9T17

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA VOL XXII, No 2 Feb 1947

7 pp

"On the Laws Governing the Separation Process of Solids of Different Floatability, and the Content of the Floated Solid in the Concentrate and its Recovery"

Z. Volkova

in English at L/C

9718

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

ACTA PHYSICOCHIMICA VOL XXII, No 2 Feb 1947

12 pp

"Certain Properties of Real Crystals of Vanadium Nitride"

V. Epelbaum

in English at L/C 9719

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200780001-4

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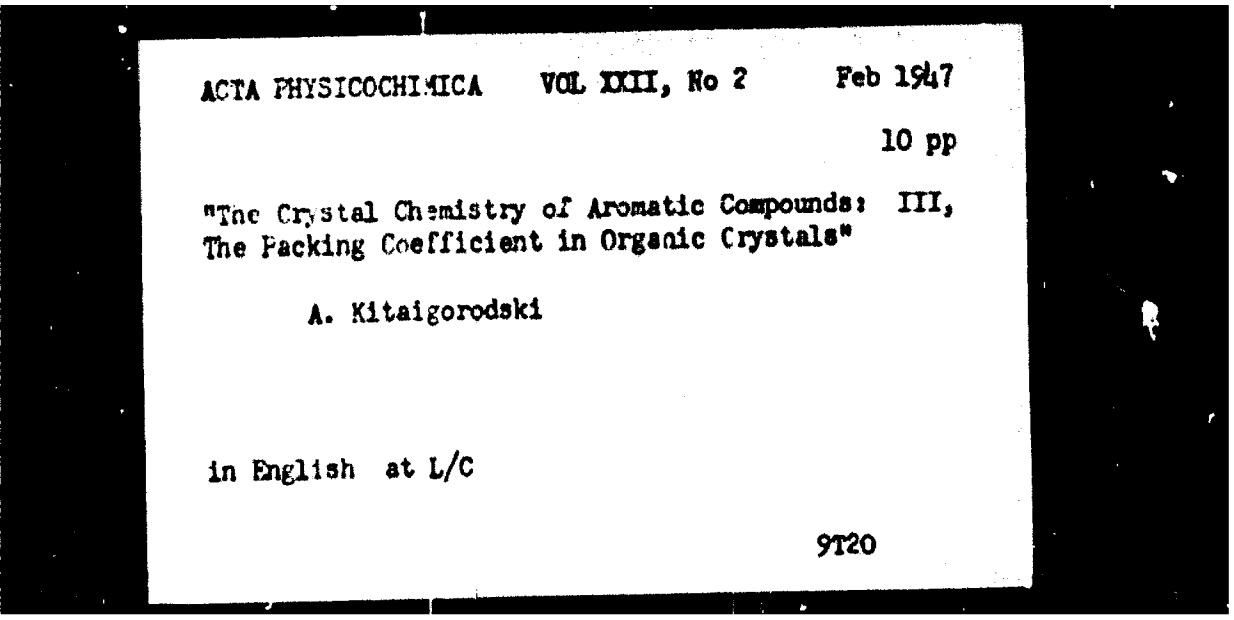

ACTA PHYSICOCHIMICA VOL XXII, No 2 Feb 1947

10 pp

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The Development of Some Piropl··dae in Vertebrate Hosts, by M. V. Krylov.
RUSSIAN, per, Acta Protozoologica, Vol 2, 1964, pp 307-320.
NTC-71-1'455-06C

Nov 71

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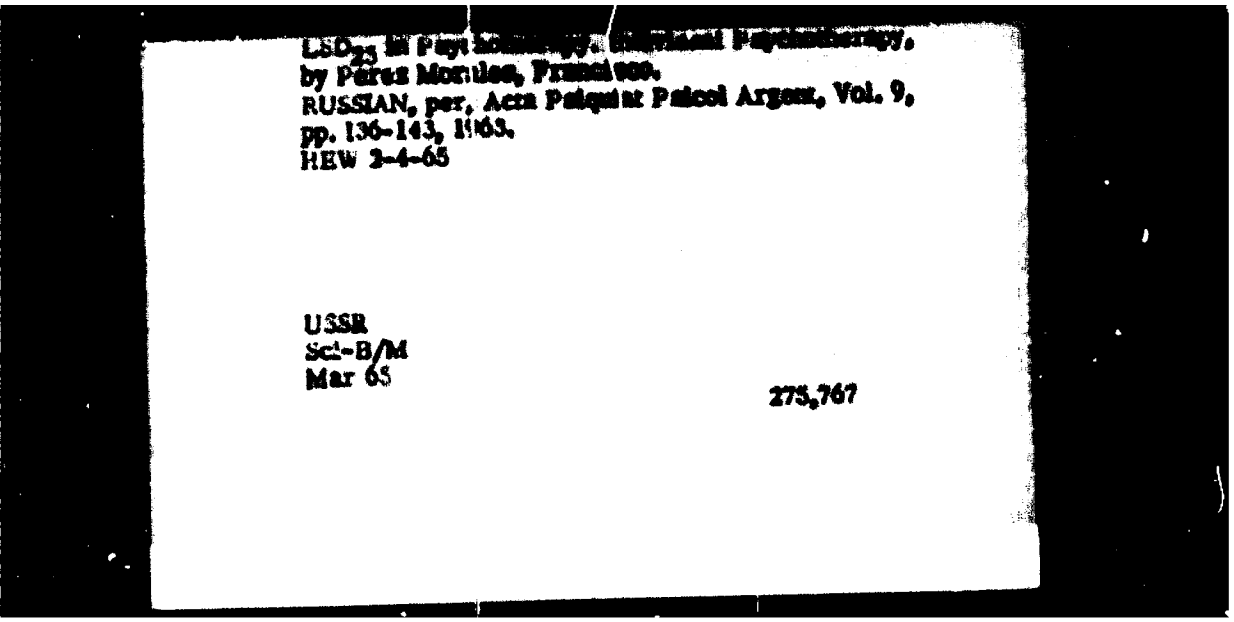

LSD_{25} in Psychotherapy. [illegible] Psychotherapy.
by Peres Montuas, Francisco.
RUSSIAN, per. Acta Psiquiat Psicol Argent, Vol. 9,
pp. 136-143, 1963.
HEW 2-4-65

USSR
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275,767

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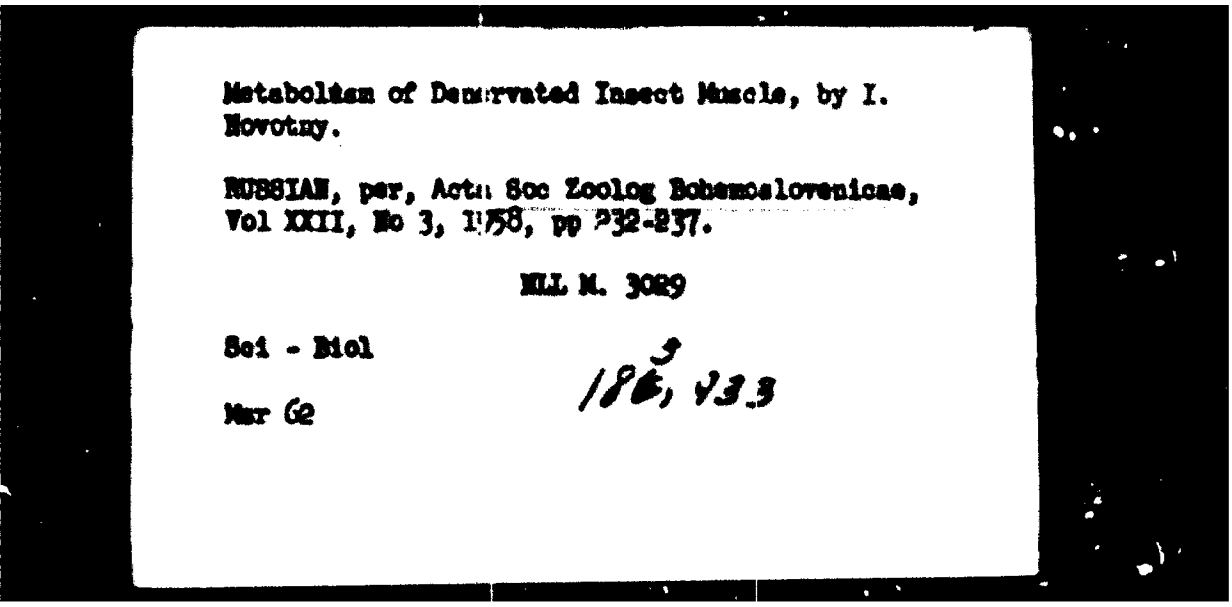

Metabolism of Denervated Insect Muscle, by I. Novotny.

RUSSIAN, per, Acta Soc Zoolog Bohemoslovenicae, Vol XXII, No 3, 1958, pp 232-237.

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Mar 62

185, 933

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